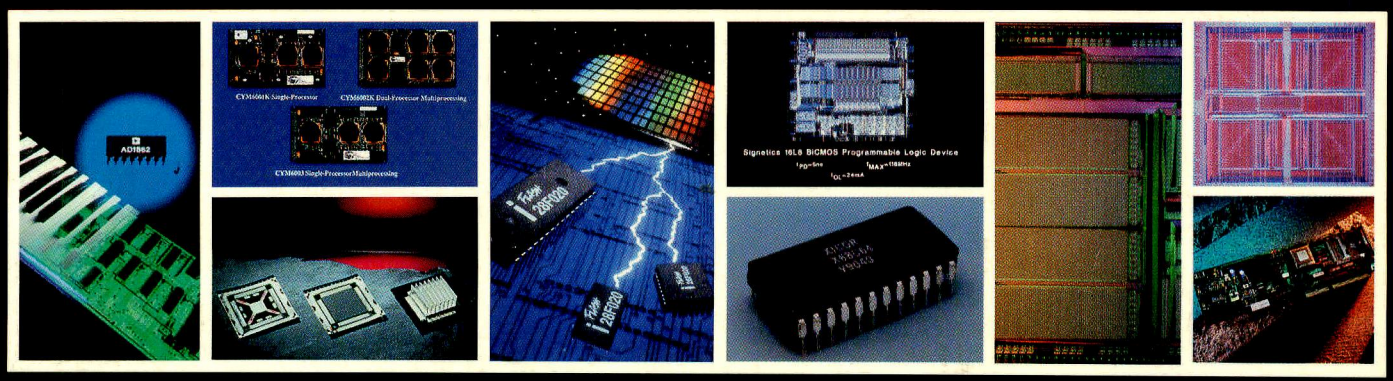
1992 IC MASTER



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- Part Number Guide
- Part Number Index
- Military Parts Directory
- Alternate Source Directory
- Application Note Directory

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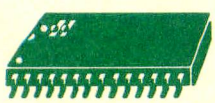

32KX8 SRAM *70 nsec, SOG (gull-wing) and DIP package*

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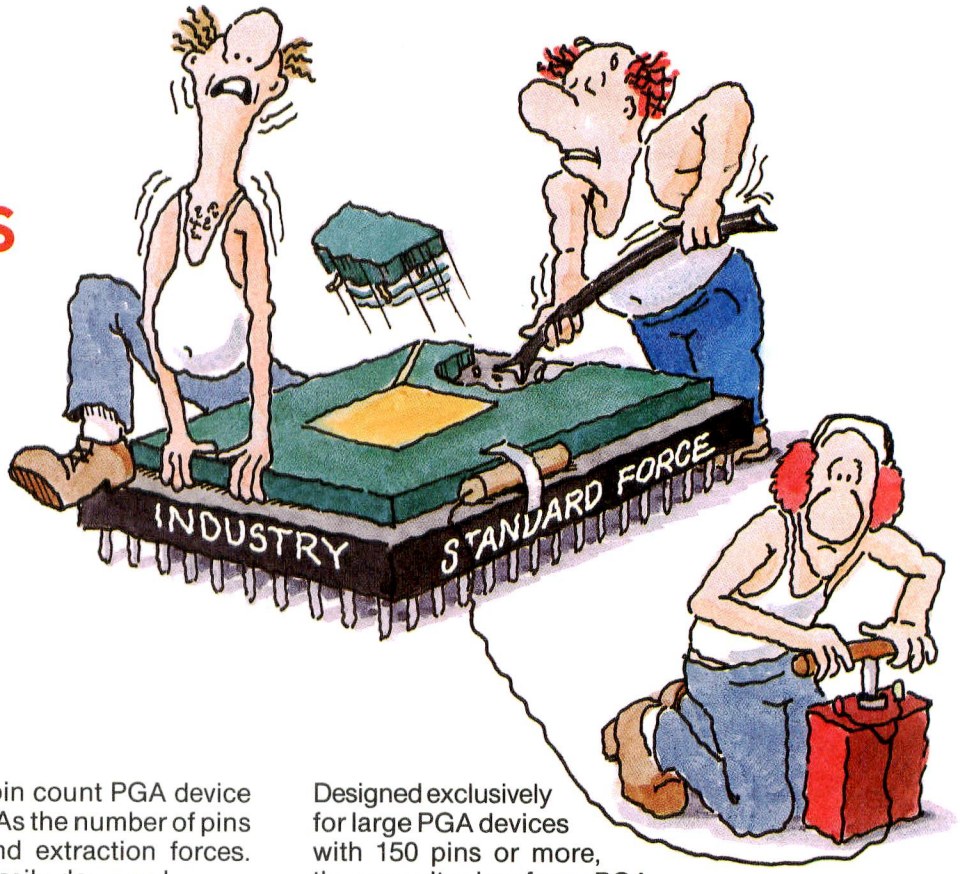

If you thought inserting a high pin count PGA device was a strain, just try removing it. As the number of pins pile up, so do the insertion and extraction forces. Delicate chip packages can be easily damaged.

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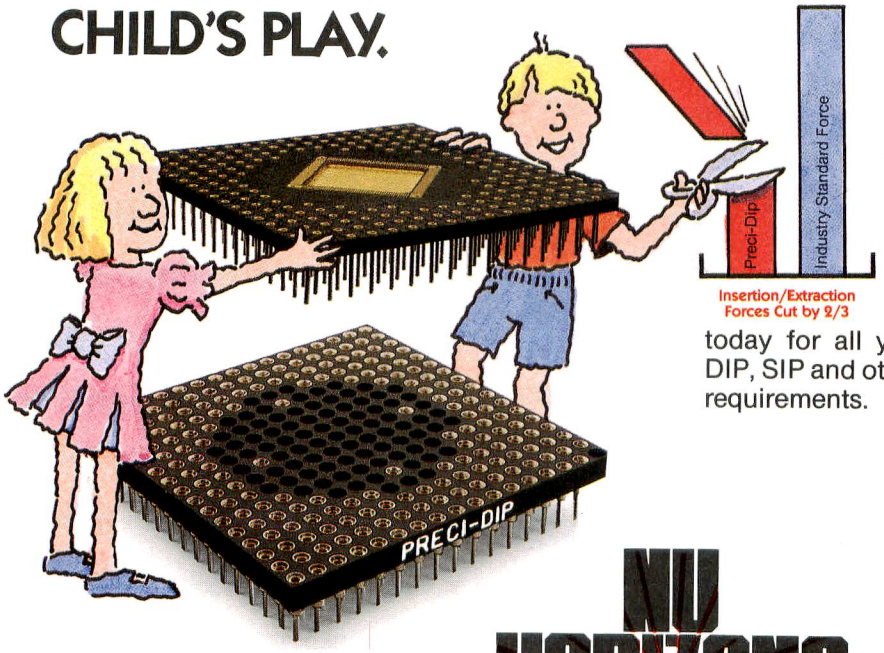

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645 Stewart Avenue
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HOW TO USE THE IC MASTER

The 1992 edition of the IC MASTER is arranged in three volumes. Each volume serves a specific purpose to help you find the integrated circuit or related product you need. The table of contents on page 1 describes what is in each volume. The table also includes the starting page number for each advertiser.

The IC MASTER is a functional work. You know what you need. The MASTER helps you find it.

Here are typical problems.

Q. What kinds of functions does the MASTER cover?

A. Turn to page 10 in Volume One. Here is a complete list of the devices covered. The page and line numbers refer you to the exact Section in which a particular function appears.

Q. Who makes a 16384 x 1 static RAM with an access time of 70 ns or faster? What are my technology choices?

A. Pick up Volume 1. Turn to the MEMORY section. The first page of the section tells you where the listings of your device begin. See this under:

Static RAMs — General Purpose
Modules
Multiport
NOVRAMs
Cache RAMs

Turn to Static RAMs — General Purpose.

In the first column you see the Organization. Browse through the pages until you reach the 16384 x 1 listings. Now look through the listings until you find the access time and characteristics you need. Device numbers are shown by manufacturer. The device numbers of advertisers in the 1992 IC MASTER appear in bold face. The page number following the device number is where additional information may be found in Volume Three. At the extreme right you will see line numbers. These are the specific lines where a device appears.

Q. Which microprocessors are listed in the MASTER? How do I find the microprocessor I need?

A. All commercially available microprocessors are listed in the MASTER. Start with the **microprocessor** listing in the **Master Selection Guide Function Index** (starts on page 10). Here you will find the various kinds of products you will need listed according to function. Turn to the various pages shown and then to the advertisers' page where more detail may be available.

Q. Who makes a Dual, Low Offset Voltage Op Amp?

A. This is a **LINEAR** device. Turn to the LINEAR section in Volume One. The first page of the section shows the starting page for each type of device. Turn to the page where Dual Units appear. Look down the list for the device you need. Advertisers' devices are listed in bold face. Turn to the page in Volume Two where more information may be available.

Q. I need an IC with Music capability. Which Master Selection Guide should I use?

A. Turn to the **Master Selection Guide Function Index** starting on page 10. Look through the list until you find **Music.** The page numbers for each kind of device are shown.

Q. I plan to use a digital gate array or some other semicustom ASIC in my next project. Where do I find it in the MASTER? Who makes these things?

A. Turn to Volume Two. Turn to the first page of **ASICs/Custom**. Find Gate Arrays and all of the other devices listed here. Now you can find the device you need. After you find the type of device you need, turn to the proper page and find the manufacturer. Advertisers' pages are in Volume Three.

Q. I know the digital IC I need is available. Is it available in a surface mount package?

A. There are two ways to solve this problem. If you know the manufacturer's device number, turn to the Part Number Index in Volume One. Find the basic number and the page number and line where that device is listed in the MASTER. Turn to that page. If the device is available for surface mounting, an open diamond symbol will appear. You can also turn directly to the digital section and turn to the function of the device you want. The symbol will indicate an SMD is available.

Q. I am looking for an application note on a specific device. Where can I find out if one is currently available?

A. Pick up Volume Two. Turn to the Application Note Directory. Here you will find app notes arranged by **function**. Find the function involved and turn to the page where the app note is listed.

Q. We need a device that meets MIL standards. Where do I look in the MASTER?

A. Turn to the MILITARY section in Volume Two. The Military Device Testing table shows which manufacturers do what kinds of MIL work. Followed by the MIL-STD-1562R directories for microcircuits which contains numerous tables relating to various standards of classification. Additional information is often supplied by the advertisers' pages in Volume Three.

Q. I know the basic part number is 2502 and that's all I know. Where do I look?

A. That's easy in the MASTER. Turn to the Part Number Index. All prefixes and suffixes have been stripped away. Turn to the page where 2502 appears. All manufacturers with that kind of number appear in order along with the page and line number where the device is described.

Q. How many manufacturers claim to make a pin-for-pin and function-for-function equivalent to a Motorola MC68000?

A. Turn to the Alternate Source Directory in the back of Volume Two. Turn to Motorola's listings. Those manufacturers who claim to be equivalent are listed in order. If you have an IBM or Compatible computer with a hard drive, you can get the 1992 IC MASTER **Alternate Source Directory** on a disk. The disk is Clipper compiled from dBaseIII+ and is delivered compressed by PKARC. This is the complete list of alternate sources and allows you to add notes such as your own part numbers, prices, sources and the like. Call Hearst (516) 227-1300 and ask for Book Sales for further information.

Q. I looked in the Alternate Source Directory. The part I want an alternate source for isn't listed. Why not?

A. Are you sure you looked through the entire listing for the original manufacturer? Some devices may be listed in odd ways depending on how the MASTER's editors receive the information. Then there is the probability that no other manufacturer makes an exact replacement for your part. It is important for you to understand how the Alternate Source Directory is compiled. Manufacturers supply the information that **their** part is an exact replacement for **another** part. The original manufacturer does **not** tell us his part can be replaced by those listed.

Q. What do the manufacturers' part numbers mean? I have a Signetics N8X02N. What do all the letters and numbers mean?

A. Look in Volume Two for the Part Number Guide. Turn to the Signetics portion. Now you know the **N** prefix means, zero to plus seventy degrees Centigrade. The **N** suffix indicates the package style. The numbers and letters in the middle are the device type. Each manufacturer has a different code system. Understanding the systems is a great help in comparing devices.

Q. I found the device I want in the MASTER. What are the pinouts? Where can I get more details? Where can I get a price? What is the delivery time?

A. You have just defined exactly what the IC MASTER does. The MASTER is a guide to tell you which devices are available on a commercial basis. After you know this, the next step is to contact the manufacturer, a local sales office or a distributor.

Q. Where can I find the addresses and telephone numbers of manufacturers, local sales offices and distributors?

A. Pick up Volume Three. Turn to the Manufacturers and Distributors Directory. Read the first page. The information on this page will help you understand why the information in the Directory is so important. It will save time and aggravation.

Q. I just saw a new device advertised in Electronic Products magazine. It isn't listed in the MASTER. Why not? When will it be listed?

A. Preparing the information for the annual IC MASTER is a tremendous undertaking. It requires the cooperation of every single manufacturer. All of the material must be organized, cross referenced and placed in the data base. This data base must be closed off in November in order to meet the publishing date of late January. That is why some devices are not listed. They came on the market too late for the deadline. There are two updates to the annual MASTER. They are called the **IC MASTER UPDATE**. One is issued in the late Spring and the other in the early Fall. Be sure to sign up for copies when you get your new IC MASTER. If you are not sure whether or not you have requested the updates, please write to the Circulation Department at the address shown on page 2 of this MASTER. Be sure to indicate which edition of the MASTER you are using.

ABBREVIATIONS OF COMPANY NAMES

Acculin	Acculin, Inc.
Actel	Actel Corporation
Adaptec	Adaptec
Adv Analog	Advanced Analog
AHA	Advanced Hardware Architectures, Inc.
AdvLinear	Advanced Linear Devices
AMD	Advanced Micro Devices, Inc.
AEG Corp	AEG Corporation-Telefunken
Allegro Micro	Allegro Micro Systems, Inc.
Altera	Altera Corporation
Am Arium	American Arium
AD	Analog Devices
Analog Micros	Analog Microsystems
AnalogSys	Analog Systems
Analogic	Analogic Corporation
Apex	Apex Microtechnology Corporation
AMCC	AMCC (Applied Micro Circuits Corporation)
AppMicroSys	Applied Microsystems Corporation
Aptek	Aptek Microsystems
Array Micro	Array Microsystems
Aspen	Aspen Semiconductor Corp.
Astec Semi	Astec Semiconductor
AT&T	AT&T Microelectronics, 52AL330240
ATMEL	ATMEL Corporation
AutoSys	ASI
Avasem	Avasem Corporation
Benchmarq	Benchmarq Microelectronics
Bipolar	Bipolar Integrated Technology
Brooktree	Brooktree Corporation
Burr-Brown	Burr-Brown Corporation
C&C Tech	C & C Technology Inc.
Catalyst Rsch	Catalyst Research
Catalyst Semi	Catalyst Semiconductor
CE Infosys	CE Infosys of America, Inc.
Cermetek	Cermetek Microelectronics, Inc.
Cherry Semi	Cherry Semiconductor Corporation
Chips&Tech	Chips and Technologies, Incorporated
Cirrus	Cirrus Logic, Inc.
CMD Micro	California Micro Devices Corporation
Comlinear	Comlinear Corporation
Commodore	Commodore Semiconductor Group
Cornes USA	Cornes U.S.A. Ltd.
Crystal	Crystal Semiconductor Corp.
CustomArrays	Custom Arrays Corp.
Cybernetic	Cybernetic Micro Systems
Cypress	Cypress Semiconductor Corp.
Dallas	Dallas Semiconductor
Data I/O	Data I/O Corporation
Datel	Datel, Inc.
Dense-Pac	Dense-Pac Microsystems, Inc.
Dionics	Dionics Inc.
DSP Group	DSP Group, Inc.
ECI Semi	ECI Semiconductor
EdsunLabs	Edsun Laboratories, Inc.
EG&G-Reticon	EG&G Reticon Corporation
Elantec	Elantec, Inc.
EDI	Electronic Designs Inc.
Ericsson	Ericsson Components
Exar	Exar Corporation
EXEL	EXEL Microelectronics, Inc.
Fujitsu	Fujitsu Microelectronics, Inc.
Galil	Galil Motion Control
GEC Plessey	GEC Plessey Semiconductors
Gennum	Gennum Corporation
GET Eng	GET Engineering Corp.
GoldStar	GoldStar Technology, Inc.
Gould AMI	Gould AMI
Greenwich	Greenwich Instruments USA
Harris	Harris Corporation
Headland	Headland
Heurikon	Heurikon Corporation
HP	Hewlett-Packard-Logic Systems Division
HiLevel	Hilevel Technology, Inc.
Hitachi	Hitachi America, Ltd.
Holt	Holt, Integrated Circuits, Inc.
Honeywell	Honeywell
Hughes	Hughes Aircraft Co.
Hyundai	Hyundai Electronics America
IC DESIGNS	IC DESIGNS
IC Sensors	I C Sensors, Inc.
Ideal Semi	Ideal Semiconductor
ILC-DDC	ILC Data Device Corp.
InfoChip Sys	InfoChip Systems, Inc.
Inova	Inova Microelectronics Corp.
IntCirSys	Integrated Circuit Systems, Inc.
IDT	Integrated Device Technology, Inc.
Int Info Tech	Integrated Information Technology, Inc.
ILSI	Integrated Logic Systems Inc.
IntMeasSys	Integrated Measurement Systems
ISSI	Integrated Silicon Solution Inc.
Intel	Intel Corporation
Interface Tech	Interface Technology, Incorporated
Intergraph	Intergraph
ICT	International CMOS Technology
IMI	International Microcircuits, Inc.
IMP	International Microelectronic Products
Interpoint	Interpoint Corporation
Intronics	Intronics, Inc.
IXYS	IXYS Corporation
Krueger	Krueger Company
Lansdale	Lansdale Semiconductor
Lattice	Lattice Semiconductor Corp.
Level One	Level One
Lin Int Sys	Linear Integrated Systems
LinearTech	Linear Technology Corporation
LogicAuto	Logic Automation Incorporated
LogicDev	Logic Devices Inc.
LSTI	Logical Solutions Technology Inc.
LSI Comp	LSI Computer Systems, Inc.
LSI Logic	LSI Logic Corporation
Macrochip	Macrochip Research
Maxim	Maxim Integrated Products
MCE	MCE Semiconductor
Micrel	Micrel

MicroLinear	Micro Linear
MicroNet	Micro Networks Company
MicroPwr	Micro Power Systems, Inc.
Micro-C	Micro-C
Micro-Comp	Micro-Comp Industries
Micro-Rel	Micro-Rel
Microchip	Microchip Technology, Inc.
Microcosm	Microcosm Inc.
MicronTech	Micron Technology, Inc.
Micropac	Micropac Industries, Inc.
Mitel	Mitel Semiconductor
Mitsubishi	Mitsubishi Electronics America, Inc.
Mosaic Semi	Mosaic Semiconductor, Inc.
Mosel	Mosel
Motorola	Motorola Semiconductor Products
MX-COM	MX-COM, Inc.
National	National Semiconductor Corporation
NCM	NCM Corporation
NCR	NCR Corporation
NEC	NEC Electronics Inc.
Newbridge	Newbridge Microsystems
Nexel	Nexel Corporation
NJR	NJR Corporation
NMB	NMB Technologies
Oak Technology	Oak Technology, Inc.
OKI	OKI Semiconductor, Inc.
OnChip Sys	OnChip Systems, Inc.
OEI	Optical Electronics Inc.
Optimum Semi	Optimum Semiconductor
Orion	Orion Instruments, Inc.
Panasonic	Panasonic Industrial Company/Electronic Components Division
Paradigm	Paradigm Technology, Inc.
Peps	Performance Electronic Packaging Services
Performance	Performance Semiconductor Corp.
Phylon Inc.	Phylon Inc.
Plus Logic	Plus Logic
PLX Tech	PLX Technology, Inc.
Power Integ	Power Integrations, Inc.
Proxim Inc.	Proxim, Inc.
Proximity	Proximity Technology Inc.
Qualcomm	Qualcomm Incorporated
Quality Semi	Quality Semiconductor
Ramtron	Ramtron Corporation
Raytheon	Raytheon Company
Ricoh	Ricoh Corp.
Rochester	Rochester Electronics Incorporated
Rockwell	Rockwell International
ROHM	ROHM Corporation
S-MOS	S-MOS Systems, Inc.
Samsung	Samsung Semiconductor, Inc.
Sanyo	Sanyo Semiconductor Corporation
Scorpion Tech	Scorpion Technologies, Inc.
SEEQ	SEEQ Technology, Incorporated
Seiko Instr	Seiko Instruments USA, Inc.
Semi-Shield	Semi-Shield
SemTech	Semtech Corpus Christi
SGS-Thomson	SGS-THOMSON Microelectronics, Inc.
Sharp	Sharp Electronics Corporation
Siemens	Siemens Components, Inc.
Sierra	Sierra Semiconductor Corporation
Signal Proc	Signal Processing Technologies
Signetics	Signetics Company
Sil Composers	Silicon Composers, Inc.
Silicon Conn	Silicon Connections Corp.
SiliconG	Silicon General Semiconductors
SiliconSys	Silicon Systems Inc.
Siliconix	Siliconix Inc.
Simtek	Simtek Corporation
Sipex-HSD	Sipex Corporation
Smart Modular	Smart Modular Technologies
Solarise	Solarise Enterprises Inc.
Solitron	Solitron Devices, Inc.
Sony	Sony Corporation of America
Sophia	Sophia Systems
SpaceResearch	Space Research Technology, Inc.
Spancom	Spancom Corporation
Stac	Stac Electronics
SMC	Standard Microsystems Corporation
STEL	Stanford Telecommunications Inc.
Startech	StarTech Semiconductor, Inc.
STC	STC Components
Sunshine	Sunshine Semiconductor Inc.
Supertex	Supertex, Inc.
Symphony Lab	Symphony Laboratories
Synergy	Synergy Semiconductor Corporation
Systronix	Systronix. Inc.
Technitrol	Technitrol, Inc.
Tektronix	Tektronix, Inc.
TeledyneC	Teledyne Components
Teltone	Teltone Corporation
TI	Texas Instruments, Inc.
Thaler	Thaler Corp
ThirdDomain	Third Domain, Inc.
TLSI	TLSI Incorporated
Toko	Toko America Inc.
Toshiba	Toshiba America Electronic Components, Inc.
TranSwitch	TranSwitch Corporation
Trident Micro	Trident Microsystems Inc.
TriQuint	Tri Quint Semiconductor
TRWLSI	TRWLSI Products Inc.
Tseng Labs	Tseng Labs, Inc.
UMC	Unicorn Microelectronics Corp.
UTMC	United Technologies Microelectronics Center
Unitrode	Unitrode Integrated Circuits Corp.
Universal	Universal Semiconductor Inc.
USAR Systems	USAR Systems, Inc.
Vadem	Vadem
Vanguard Semi	Vanguard Semiconductor
Vertex	Vertex Semiconductor Corp.
VIA Tech	VIA Technologies, Inc.
Vitelic	Vitelic
Vitesse	Vitesse Semiconductor Corp.
VLSI Tech	VLSI Technology Inc. (VLSI)
VTC	VTC Inc.
Waferscale	Waferscale Integration Inc.
Weitek	Weitek Corporation
WDC	The Western Design Center, Inc.
Western	Western Digital Corporation
White Tech	White Technology, Inc.
XECOM	XECOM, INC.
Xicor	Xicor, Inc.
Xilinx	Xilinx Corp.
Yamaha	Yamaha Systems Technology
ZAX	Zax Corp.
Zilog	Zilog, Inc.
ZyMOS	ZyMOS Inc.

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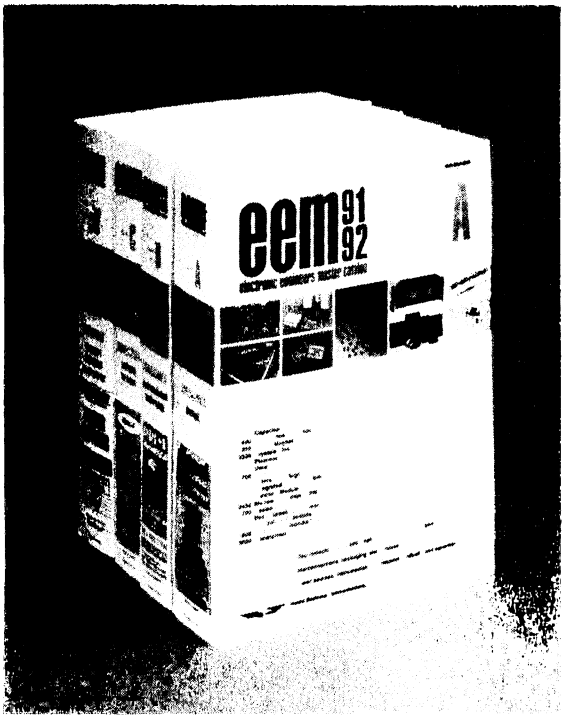

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PART NUMBER GUIDE

Each IC Manufacturer has his own special method of identifying products, usually through a system of logos, device number prefixes and suffixes. This Part Number Guide is arranged alphabetically by manufacturer and describes each company's part number system. JAN nomenclature is also covered.

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

ACTEL

Package

PG	Ceramic Pin Grid Array

Temperature Range

C	Commercial 0°C to 70°C
I	Industrial –40°C to 85°C
M	Military –55°C to 125°C
B	883B

Prefix	Device	Suffix
A	1280	-1 PG 176 C

Die Revision (Future)
Speed
Package
Number of Pins
Application

ADVANCED ANALOG

Temperature Range

J	0°C to 70°C
K	0°C to 70°C
S	–55°C to 125°C
T	–55°C to 125°C

Prefix	Device	Suffix
DAC	390	XD/B

Temperature Range
Military Screening

ADVANCED LINEAR DEVICES

Package

P	PDIP
C	Size-Brazed Ceramic
Z	Dice in Waffle Pack
L	Leadless Chip Carrier
S	Small Outline
M	TO Metal Can

Number of Pins

A	8	H	28
B	14	I	36
C	16	J	40
D	18	K	44
E	20	L	48
F	22	M	64
G	24	N	68

Prefix	Device	Suffix
ALD	555	P A

Type
Device Number
Package

ADVANCED MICRO DEVICES

Functional Group

21	MOS Memory
25	MSI
26	Computer Interface
27	Bipolar Memory & EPROM
28	MOS Memory
29	Bipolar Microprocessor
57/74	Same as 25
60	Analog, bipolar
61	Analog, bipolar
66	Analog, bipolar
79	Telecommunications
80	MOS Microprocessor
81	MOS and Bipolar Peripherals
82	MOS and Bipolar Peripherals
90	MOS
91	MOS RAM
92	MOS
93	Bipolar Logic, Memory
94	MOS
95	MOS Peripherals
1004	ECL Memory
104	ECL Memory
PAL	Program Logic
98	EEPROM
99	CMOS Memory

Type

L	Low Power
S	Schottky
LS	Low Power Schottky
(Blank)	Standard

Package

P	Plastic DIP
D	Ceramic DIP
F	Flatpack
G	Pin Grid Array
H	Metal Can
L	Plastic Leaded Chip Carrier
J	Ceramic Leadless Chip Carrier

Temperature Range

C	Commercial (0 to +70°C)
I	Industrial (-40 to +85°C)
E	Ext'd. Commerical (-55 to +125°C)
L	Limited Military (-55 to +125°C)
M	Military (-55 to +125°C)

Prefix	Device	Suffix
AM25	S 05	D M

Functional Group
Type
Device Number
Package
Temperature Range

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

ADVANCED MICRO DEVICES (continued)

PAL/HAL—Family

PAL	Programmable Array Logic
HAL	Hard Array Logic

Outpt Type

H	Active High
L	Active Low
C	Complementary
R	Registered
X	Exclusive or Registered
A	Arithmetic Registered

Temperature Range

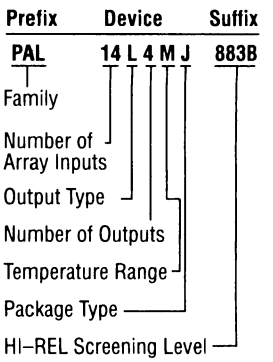
C	Commercial
M	Military

Package Type

J	Ceramic Dual-In-Line
N	Plastic Dual-In-Line

Screening Level

883B	MIL-STD-883, Method 5004 and 5005, Level B
883C	MIL-STD-883, Method 5004 and Level C



Interface
Temperature Range

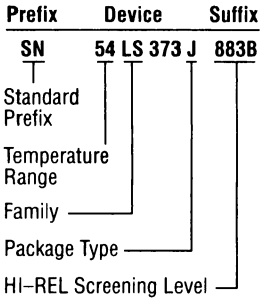
74	Commercial
54	Military

Family

S	Schottky
LS	Low Power Shottky

Package Type

J	Ceramic Dual-In-Line (600 Mil Wide)
JS	Ceramic Dual-In-Line (300 Mil Wide)
N	Plastic Dual-In-Line (600 Mil Wide)
NS	Plastic Dual-In-Line (300 Mil Wide)
D	Side Brazed Ceramic Dual-In-Line
F	Flat Pack
L	Leadless
T	Inverted "D" Package

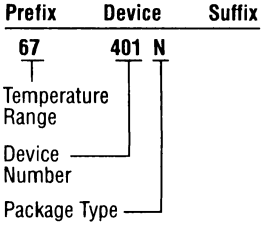


FIFOs
Arithmetic
Temperature Range

67	Commercial
57	Military
C	CMOS

Package Type

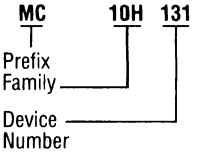
J	Ceramic-In-Line
N	Plastic Dual-In-Line



ECL

All ECL Products are for commercial temperature range only
Family 10KH 10KH Technology

J Ceramic



PROMs-ROMs Character Generator-Logic
Temperature Range

6	Commercial
5	Military

Product

0	Character Generator O.C.
1	Character Generator T.S.
2	Read Only Memory (ROM)
3	Programmable Read Only Memory (PROM)
7	LSI Logic Product

Screening Level

See previous page

Family

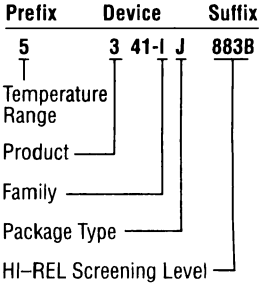
-1	Schottky Process (PROMs)
-2	Improved Performance Over-1

Package Type

See Interface

Screening Level

See previous page



PART NUMBER GUIDE

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

ADVANCED MICRO DEVICES (continued)

High Performance PROMs

Temperature Range

6	Commercial
5	Military

Product

3	Programmable Read Only Memory (PROM)

Family

S	Schottky
LS	Low Power Shottky
RA	Registered
DA	Diagnostic

Memory Size

0	.256 Bit
1	1024 Bit
2	2048 Bit
4	4096 Bit
8	8192 Bit
16	16384 Bit
32	32768 Bit

No. of Outputs

4	4 Bit
8	8 Bit

Output/Pin Out Designator

0	Open Collector
1	Three State
3	Two State

Performance

None	Standard
A	Enhanced

Package Type

See Interface

Screening Level

See Previous Page

Prefix	Device	Suffix
5	3S240AJ	883B

Temperature Range
Product
Family
Memory Size
Number of Outputs
Output/Pin Out Designation
Performance
Package
HI–REL Screening Level

ALLEGRO MICROSYSTEMS

Family

UC	CMOS/Complex Arrays
UD	Power Drivers
UG	Hall Effect Circuits
UL	Linear Circuits
UM	Module or Assembly

Temperature

N	Limited Temperature Range -20°C to +85°C Typical
Q	Industrial Temperature Range -40°C to +85°C
S	Military Temperature Range -55°C to +125°C

Package

A	Plastic DIP
B	Plastic DIP with Heat Sink Tabs Chip
C	Probed Wafer
CW	3-Pin Metal Can
D	Leadless Chip Carrier
E	Hermetic DIP
H	14-Pin Hermetic Flat Pack
J	Plastic SOIC
L	8-Pin Plastic DIP
M	Ceramic DIP
R	4-Pin SIP
S	3-Pin SIP
T	Thin 3-Pin SIP
U	Flange Mount MO-097
V	12-Pin SIP
W	TO-92 Transistor
Y	5-Lead TO-220
Z	

Prefix	Device	Suffix
UL N	2111	A

Family
Temperature
Package

Family

UH	Peripheral Power/Display Drivers

Package

C	Hermetic FP
D	Hermetic DIP
K	Chip
P	Plastic DIP

Prefix	Device
UH P	400

Family
Package

A	Allegro Microsystems

Temperature Range

C	Commercial (0°C to 70°C)
S	Standard (-20°C to 85°C)
E	Ext.d autm./ind. (-40°C to 125°C)
K	Ext.d indl./mil. (-40°C to 125°C)
M	Military (-55°C to 125°C)
X	Special (i.e.,wafer probed at 25°C only)

Package

A	Plastic, dual in-line
B	Plastic, dual in-line semi-tab
C	Unpackaged chip
CW	Probed wafer
EA	Plastic, leaded chip carrier, one semi-tab
EB	Plastic, leaded chip carrier, two semi-tabs
EK	Hermetic, leadless chip carrier
EP	Plastic, leaded chip carrier
H	Hermetic, metal-sealed co-fired ceramic dual in-line

Prefix	Device	Suffix
A	8958	S EA F–1

Temperature Range
Package
Instructions

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

ALLEGRO MICROSYSTEMS (continued)

Suffix

- **HH** Hermetic, metal-sealed co-fired ceramic, 3-lead
- **L** Plastic, SOIC
- **LB** Plastic, wide-body SOIC power tab
- **LL** Plastic, SOT-89, long-lead version
- **LT** Plastic, SOT-89
- **LW** Plastic, wide body SOIC
- **M** Plastic, 8-pin mini-DIP
- **R** Hermetic, glass-sealed ceramic dual in-line
- **T** Plastic, 3-lead mini-SIP
- **U** Plastic, 3-lead thin mini-SIP
- **UA** Plastic, short 3-lead thin mini-SIP
- **V** Hermetic, metal flange mount (MO-097AA)
- **W** Plastic, 12-lead single in-line power tab
- **X** Special
- **Z** Plastic, 5-lead single in-line power tab (TO-220)
- **ZH** Z Package with formed leads for horizontal mount
- **ZV** Z Package with formed leads for vertical mount

Prefix	Device	Suffix
UL N	2111	A

Family
Temperature
Package

ALTERA

Family

- **EP** Altera General Purpose Logic Family (Erasable/Programmable)
- **EPS** SAM Product Family
- **EPB** Micro Channel Family
- **EPM** MAX Product Family

Package

- **D** Windowed ceramic dual in-line (CerDIP)
- **P** One time programmable plastic dual in-line (Plastic DIP)
- **J** Windowed ceramic J-leaded chip carrier (JLCC)
- **L** One time programmable plastic J-leaded chip carrier (PLCC)
- **G** Windowed ceramic pin-grid array (PGA)
- **S** Plastic small outline IC (SOIC)
- **Q** Plastic Quad Flat Package (PQFP)

Speed

Military Processing

- **883B** Processed to MIL-STD-883, current revision
- **B** Fully compliant with deviation to MIL-STD-883, current revision (Consult Altera on specific deviations)
- **5962** DESC Standard Military Drawing (SMD)

Temperature Range

- **C** Commercial (0°C to 70°C)
- **I** Industrial (-40°C to 85°C)
- **M** Military (-55°C to 125°C)

Prefix	Device	Suffix
EP	600 D M	883B

Family
Package
Temperature Range
Military Processing
Speed

ANALOG DEVICES

- **AD** Analog Devices
- **HA** Hybrid A/D
- **HD** Hybrid D/A

General Infromation

- **A** Second Generation
- **DI** Dielectrically Isolated
- **Z** Operation on ±12V

Temperature Range/Performance

(in order of increasing parametric performance)

I,J,K,L,M	0°C to 70°C
A,B,C	-25°C or -40°C to 85°C
S,T,U	-55°C to 125°C

Package

- **D** Side Brazed Dual-In-Line Ceramic

Monolithic and Hybrid ICs

Prefix	Device	Suffix
AD	XXXX	A Y Z

General Information
Temperature
Package

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

ANALOG DEVICES (continued)

Package

E	Leadless Chip Carrier
F	Flat-Pack
G	Pin Grid Array
H	Round Hermetic Metal Can
M	Metal Hermetic Dual-In-Line
N	Plastic Molded Dual-In-Line
P	Plastic Leaded Chip Carrier (PLCC)
Q	Cerdip
R	Small Outline Plastic (SOIC)
V	Pin-Stake
W	Ceramic/Glass Dual-In-Line, Non-Hermetic
Y	Single In-Line
Z	Ceramic Leaded Chip Carrier

Video Hybrid Products

Prefix	Device	Suffix
XXX	YYZZ	W M B

Resolution
Speed
Functional or Option
Package
Military

Precision Monolithic Devices

Description

ADC	Analog-to-Digital Converter
AMP	Instrumentation Amplifier
BUF	Buffer (Voltage Follower)
CMP	Comparator
DAC	Digital-to-Analog Converter
JAN	Mil-M-38510 Slash Sheet
LIU	Serial Data Line Interface Unit
MAT	Matched Transistors
MUX	Multiplexer
OP	Operational Amplifier
PKD	Peak Detector
PM	PMI Second Source Product
REF	Voltage Reference
RPT	PCM Line Repeater
SMP	Sample/Hold Amplifier
SW	Analog Switch
SSM	Audio Products

Package

H	6 lead TO-78
J	8 lead TO-99
K	10 lead TO-100
P	Epoxy B DIP
PC	Plastic Leaded Chip Carrier
Q	16 lead Ceramic DIP
R	20 lead Ceramic DIP
RC	20 Position LCC
S	Small Outline Package
T	28 lead Ceramic DIP
TC	28 Position LCC
V	24 lead Ceramic DIP
X	18 lead Ceramic DIP
Y	14 lead Ceramic DIP
Z	8 lead Ceramic DIP

Prefix	Device	Suffix
DAC	08	BI E Q/883

Burn-in Option
Electrical Grade
Package
MIL–STD 883 Class B

ANALOG SYSTEMS

M	Analog Systems Monolithic Product

Family

A	Operational Amplifier
D	Power Driver
K	Comparator
Z	Current Booster

Package

D	Ceramic DIP
H	Metal Can
P	Plastic DIP
T	Power Package with Heat Sink Tab

Temperature Range

C	Commercial 0°C to 70°C
I	Industrial -25°C to 85°C
M	Military (-55°C to 125°C)

Prefix	Device	Suffix
MA	332	C P

Temperature Range
Package

APEX

PA	Power Amplifiers
PB	Power Boosters
WA	Wideband Amplifiers
WB	Wideband Buffers

Prefix	Device	Suffix
PA	12	M/883

Mil Temp
/883 Screening

ATMEL

AT	Atmel

Temperature Range

C	Commercial (0°C to 70°C)
I	Industrial (-40°C to 85°C)
M	Military (-55°C to 125°C)

Package

P	Plastic DIP
D	Ceramic DIP
J	PLCC J Lead Chip Carrier
K	J Lead Ceramic Carrier
L	Leadless Chip Carrier
F	Flatpack
G	Ceramic DIP, One-Time Programmable
M	Ceramic Module
N	Leadless Chip Carrier, One-Time Programmable
S	SOIC
T	SOIC
U	PGA

Prefix	Device	Suffix
AT	XXXXX	X X X X

Speed
Package
Temperature Range
Processing

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

AT&T

Digital signal processors Development Tools

Tool Type

SL	Software Library
AL	Application Library
CC	C Language Compiler
DS	Hardward Development System
CB	Host Interface Cable
BD	Plug-In-Board
SK	Starter Kit

Operating System

UN5VX	UNIX on VAX 055
VMS	VMS on VAX 11/7033
BKSUN	UNIX Berkley 025
HP9	UNIX V on HP9000
MCMPW	MACOS on Macintosh II
MSDDOS	MSDOS on PC6300 and compatibles

Media

T	1600 DPL Magnetic Tape
C	4" x 6" Data Cartridge
F	5 ¼ Floppy Disk
D	3 ½ Floppy Disk

Prefix	Device	Suffix
WE	**DSP** **32C**–**SL**–**MSDOS**–**F**	

Trademark
DSP Product Family
Tool Type
Operating System
Media

Digital Signal Processors Family

32	DSP32
32C	DSP32C
16	DSP16
16A	DSP16A

Operating System

C	Hermetic Ceramic DIP
G	Hermetic Ceramic Rectangular PGA
R	Hermetic Ceramic Square PGA
PR	Plastic Square PGA
M	Plastic Leaded Chip Carrier (PLCC)
F	Plastic Quad Flat Pack (PQFP)

ROM ID

—	ROMless Device
AL	ROM coded with Application Library
XX	Customer Specific ROM code

Instruction Cycle Time

250	250 ns	**075**	75 ns
200	200 ns	**055**	55 ns
160	160 ns	**033**	33 ns
100	100 ns	**025**	25 ns
080	80 ns		

Special

Blank STD Specification

V	3.3 V Operation
M	Military 883 Spec.

Prefix	Device	Suffix
WE	**DSP** **32C**–**F**–**33** **AL**–**080**–	

Trademark
DSP Product Family
Package
Design Series
ROM ID
Instruction Cycle Time
Special

Linear, Digital and High-Voltage ICs

1. Class

B	Building Blocks/Transistor Array
D	Digital
H	Hybrid
L	Linear
U	Microwave

2. Technology

B	CBIC
C	CMOS
G	Gallium Arsenide
H	High Voltage
J	MIIM
S	SBC

Package

A	Wafer
B	8-Pin DIP
C	16-Pin DIP
D	18-Pin DIP
E	20-Pin DIP
F	24-Pin DIP
G	28-Pin DIP
H	32-Pin DIP
J	40-Pin DIP
K	16-Pin SOJ
L	20-Pin SOJ
M	28-Pin SOJ
N	Reversed
P	44-Pin PLCC
R	68-Pin PLCC
S	8-Pin PLCC
T	6-PinDIP
U	Unassigned
W	16-Pin SONB
X	Special Package
Y	20-Pin SOG
AA	Thinned Wafer
AB	6-Pin Gull Wing
AC	8-Pin Gull Wing
AD	44-Pin Ceramic Chip Carrier
AE	16-Pin SOG
AF	14-Pin SONB
AG	32-Pin Ceramic Chip Carrier
AH	28-Pin SOTB
AJ	28-Pin SOG
AK	24-Pin Ceramic Chip Carrier
AL	28-Pin Ceramic Chip Carrier
AM	3-Lead Plastic
AN	48-Pin Ceramic Chip Carrier
AP	14-Pin DIP
AT	Tab-Bonded Chip

Prefix	Device	Suffix
1 **2**	**3456**	**7** **89**

Class
Technology
Temperature or Electrical
Package

Manufacturer Device Identification	Part Number Prefix		Part Number Suffix

AT&T (continued)

MOS Communication ICs
T Telecommunications

Generation

A Second
B Third, etc.

Package

B Nonhermetic, Ceramic DIP
C Hermetic DIP
D Cerdip
E Small Outline
F Plastic Quad Flat Pack
G Dual-Cavity Ceramic DIP
J Nonhermetic Leadless Chip Carrier
L Hermetic Ceramic Leaded Chip Carrier
M Plastic Leaded Chip Carrier
N Nonhermetic Ceramic Pin Array
S Plastic Pin Array
T Plastic Leaded Chip Carrier
U Unhermetic Ceramic Leaded Chip Carrier
W Chip in Water Form

Temperature Range

C 0°C to 70°C
E 0°C to 85°C
M Military
L -40°C to 85°C

Prefix	Device	Suffix
T	7295–	3 P L

Generation
Processing/Speed
Package
Temperature

AVASEM

AV Avasem

Temperature Range

M Military (-55°C to 125°C)
E Extended (-40°C to 85°C)
I Industrial (-20°C to 85°C)
C Commercial (0°C to 70°C)

Package

N 300 mil Plastic DIP
P 600 mil Plastic DIP
C 300 mil CERDIP
J 600 mil CERDIP
Q Plastic Quad Pak (PLCC)
F Plastic Flat Pak (QFP)
L Ceramic Leadless Chip Carrier (LCC)
S 150 mil Small Outline (SOIC)
W 300 mil Small Outline (SOIC)

Prefix	Device	Suffix
AV	3677 65	C Q 44

Electrical Grade
Temperature Range
Package
Pin Count

BENCHMARQ

BQ Benchmarq

Package

P Plastic DIP
PN Plastic DIP Narrow
S SOIC
SN SOIC Narrow
Q Quad PLCC
Mx Modules (x refers to mod. pack. size/drawing)

Speed

30,40,50,70...200 or blank

Temperature Range

blank Commercial
N Industrial

Prefix	Device	Suffix
BQ	1001	Q -70

Package
Speed

BIPOLAR INTEGRATED TECHNOLOGY

BiTK

B

Interface Family

2 TTL
3 ECL 10KH

Product Type

0 Integer
1 Floating Point
2 Storage

Package/Screening

Blank Standard Heatsink Attached
S No Heatsink Attached
B Standard Heatsink Attached with Burn-In
E No Heatsink Attached with Burn-In

Prefix	Device	Suffix
B X X	XXX	X

Interface Family
Product Type
Packaging/Screening

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

BROOKTREE

Brooktree®

Family

100-149	D/A Converters
200-249	A/D Converters
250-299	Imaging Components
300-399	Reserved
400-449	Graphics Peripherals
450-499	RAMDACS
500-599	General Components
600-699	ATE Components
700-799	Reserved
800-899	Reserved
900-999	Reserved

Package

C	Ceramic DIP
CJ	Cerquad
D	Ceramic Sidebraze DIP
F	Flat package
FN	Ceramic Flatpack (no heatsink)
G	Pin grid array
L	Leadless chip carrier
P	Plastic DIP
PF	Plastic Quad Flatpack
PJ	PLCC
S	150 mil SOIC
SW	300 mil SOIC
HJ	Plastic J-Lead

Temperature Range and Performance

B	–25 to 85°C
K	0 to 70°C (0 to 85°C for 100K ECL)
L	0 to 70°C, Low Power
S	–55 to 125°C
883	Optional MIL-STD 883C, Class Processing for the S temperature range.

Speed/Grade

XXX	For VIDEODACS and RAMDACS, specifies MHz

Prefix	Device			Suffix
Bt 458	K	G	125	883

Bt 458: Family; K: Temperature Range and Grade; G: Package; 125: Speed/Grade; 883: Mil

BURR-BROWN

BURR-BROWN® BB

General Information

A	Improbed Performance
L	Latched
Z	±12V supply

Temperature

J,K,L	0°C to 70°C
A,B,C	-25°C to 85°C
R,S,T,V	-55°C to +125°C

Package

M	Metal Can, Hermetic
L	Leadless Chip carrier
P	Molded Plastic
H	Ceramic, Hermetic
G	General Ceramic
U	Small Outline
D	Die
N	PLCC

Screening

Q	Enhanced Reliability
QM	Enhanced Reliability, Military Visual

Prefix	Device	Suffix
ADC	803	X X X X

General Information; Temperature Range; Package; Screening

Temperature Range

H,J,K,L	0°C to 70°C
A,B,C	-25°C to +85°C
R,S,T,V	-55°C to 125°C

Package

M	Metal Can, Hermetic
P	Plastic
G	Ceramic
U	Small Outline
D	Die
N	PLCC

Screening

Q	Enhanced Reliability
QM	Enhanced Reliability, Military Visual

Prefix	Device	Suffix
OPA	111	X X X

Temperature Range; Package; Screening

Temperature Range

V	-55°C to 125°C
W	-55°C to 125°C

Package

M	Metal
L	Chip Carrier

HiRel Designation

/BBC	883/B

Amplifiers/Multipliers
ADC's/VFC's:

Prefix	Device	Suffix
OPA	105	X M /XXX

Temperature Range; Package; Screening

Temperature Range

V	-55°C to +125°C

Input Coding

CBI
COB

Output

V	Voltage
I	Current

HiRel Designation

/883B

DAC's:

Prefix	Device	Suffix
DAC	87	X-XXX-X/XXX

Range °C; Input Coding; Output; HiRel Designation

PART NUMBER GUIDE

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

CALIFORNIA MICRO DEVICES MICROCIRCUITS DIVISION

Description

C	Special
G	Standard

Package

P	Plastic
C	Ceramic
D	Cerdip
E	Leaded Chip Carrier
L	Leadless Chip Carrier

Temperature Range

None	0°C to +70°C
I	-40°C to +85°C

Prefix	Device	Suffix
G	65SCXX	APL12

Description
Version
Package
Temperature Range
Speed/Power Variation

CATALYST SEMICONDUCTOR

CAT

Parameter

A	Advanced Device or Special Assg.
H	High Endurance
L	Low Power
V	Special Voltage
Z	Zero Power

Package

COB	Chip on Board
C	Sidebraze
D	Cerdip
E	LCC
J	S.O. (JEDEC)
K	S.O. (EIAJ)
N	PLCC
P	Plastic DIP

Temperature Range

–	Commerical (0°C to 70°C)
I	Industrial (-40°C to 85°C)
M	Military (-55°C to 125°C)

Speed

-20	200 ns

Prefix	Device	Suffix
CAT	28C64	API-20

Parameter
Package
Temperature Range
Speed or Program No.

Prefix	Device	Suffix
CAT	35C804	API

3 = 3V
5 = 5V

Clock Frequency:
A = 4.9152 MHz
B = 3.5795 MHz

CHERRY SEMICONDUCTOR

CS Cherry Semiconductor

Package

N	Plastic DIP
J	Ceramic DIP
V	Multiwatt Vertical
VH	Multiwatt Horizontal
FN	PLCC
D	SO Narrow
DW	SO Wide
T	TO 220
Z	TO 92

Prefix	Device	Suffix
CS	122	D 14

Package
No. of Pins

CIRRUS LOGIC

CL	Cirrus Logic
GD	Graphics, Display
CD	Communications, Data
SH	Storage, Hard Disk

Package

P	Plastic Leaded Chip Carrier
Q	Quad Flat Pack

Performance

10	10 MHz

Temperature

C	Commercial

Prefix	Device	Suffix
CL-SH	360	-10 P C-A

Performance
Package
Temperature Range

CRYSTAL SEMICONDUCTOR

CS Crystal Semiconductor

Family

3	Data Acquisition Support Circuits
5	A/D Converters
6	Telecommunications
7	Signal Conditioner
8	Data Communications

Temperature

Signal Conditioning/Communication

–	0°C to 70°C
I	-40°C to 85°C
M	-55°C to 125°C

Data Acquisition

JKL	0°C to 70°C
ABC	-40°C to 85°C
STU	-55°C to 125°C

Prefix	Device	Suffix
CS L	XXXX	TP NN H/R

Family
Temperature
Package
Electrical or Speed
Special Handling
Revision

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

CRYSTAL SEMICONDUCTOR (continued)

Package

- **P** Plastic DIP
- **C** Ceramic Sidebraze
- **D** CERDIP
- **L** Plastic Leaded Chip Carrier, J Lead
- **U** Unpackaged Die
- **S** SOIC
- **E** Ceramic LCC
- **J** J Lead Ceramic Chip Carrier
- **G** Gullwing Ceramic Chip Carrier

CYBERNETIC MICRO SYSTEMS

Prefix

- **CY** Chip
- **CYP** IC programmer
- **CYB** Development board
- **CYS** Interface software

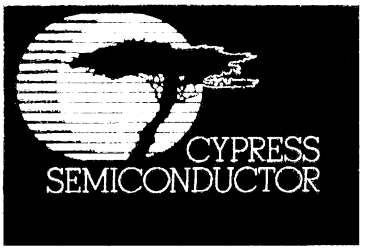
Suffix

- **no suffix** NMOS, Commercial
- **C** CMOS/ML Military 883B

Prefix	Device	Suffix
CV	600	C ML

CV — IC
600 — Data Acquisition
C — C
ML — Military

CYPRESS SEMICONDUCTOR



Processing

- **B** HiRel

Temperature Range

- **C** Commercial (0°C to 70°C)
- **I** Industrial (-40°C to 85°C)
- **M** Military (-55°C to 125°C)

Package

- **B** Plastic Pin Grid Array
- **D** CERDIP
- **F** Flatpack
- **G** Pin Grid Array
- **H** Windowed Hermetic LCC
- **J** PLCC
- **K** CERPAK
- **L** LCC
- **P** Plastic
- **Q** Windowed LCC
- **R** Windowed PGA
- **S** SOIC
- **T** Windowed CERPAK
- **U** Windowed Ceramic Quad Flatpack
- **V** SOJ
- **W** Windowed CERDIP
- **X** Dice
- **Y** Ceramic LCC
- **HD** Hermetic DIP
- **HV** Hermetic Vertical DIP
- **PF** Plastic Flat SIP
- **PS** Plastic SIP
- **PZ** Plastic ZIP

Prefix	Device	Suffix
CY	7C128	-45 C M B

-45 — Speed Selection
C — Package
M — Temperature
B — Processing

DALLAS SEMICONDUCTOR

Package

- **Q** Quad
- **S** SOIC
- **K** Application Kit

Voltage Range

- **AB** 5V ±5%
- **AD** 5V ±10%
- **Y** 5V ±10%

Temperature Range

- **Blank** 0°C to 70°C
- **IND** -40°C to 85°C
- **N** -40°C to 85°C

Prefix	Device	Suffix
DS	1225	AB -150

AB — Voltage Range
-150 — Access Time (ns)

Prefix	Device	Suffix
DS	5000	32- 12

32 — Memory Size (kBytes)
12 — Performance (MHz)

Prefix	Device	Suffix
DS	1231	-20

-20 — Hysteresis

Prefix	Device	Suffix
DS	1000	-500

-500 — Total Delay (ns)

Prefix	Device	Suffix
DS	1260	-250

-250 — Capacity (x 10 mAHr)

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

DATEL

Family

ADC	A/D Converters
ADS	Sampling A/D Converters
AM	Amplifiers
DAC	D/A Converters
DAS	Data Acquisition System
FLJ, FLT	Filters
MV, MX	Multiplexer
SHM	Sample-Hold
VF	Voltage to Freq. Converters
VR	Voltage Reference
VI	Voltage Inverter

Package—Monolithic

1	14 Pin DIP
2	TO-99

Seal—Hybrid

G	Epoxy
M	Hermetic

Temperature

C	0°C to 70°C
M	–55°C to 125°C

Prefix	Device	Suffix
AM	490	2 A

Package — Selection

Prefix	Device	Suffix
DAC	HZ12B	G C

Seal — Temperature

DENSE-PAC MICROSYSTEMS, INC.

DP

Type

S	SRAM
D	DRAM
E	EEPROM
V	NOVRAM
F	FIFO
O	VIDEORAM
P	Dual Ported RAM
R	Ferroelectric
S	SRAM
V	UVPROM
Z	Flash PROM

Package

A	PGA, Ceramic
B	PGA, Plastic
C	DUAL SIP, Ceramic
D	DUAL SIP, Ceramic Leadless
E	DUAL SIP, Plastic
F	FLATPACK, Ceramic Flatpack
G	LCC, Ceramic Leadless Chip Carrier
H	LCC, Ceramic Leadless Chip Carrier
I	LCC, Plastic Leadless Chip Carrier
J	LCC, Plastic Leadless Chip Carrier
K	ZIP, Ceramic
L	ZIP, Plastic
M	DIP, Ceramic
N	DIP, Ceramic Side Brazed
P	DIP, Plastic, Devices or Substrate
Q	QIP, Ceramic
R	Qip, Plastic
S	SIP, Ceramic
T	SIP, Ceramic Leadless
U	SIP, Plastic
V	Versaplac PGA
W	SIP, Plastic Leadless
X	Surface Mount Module
Y	SLCC, Stackable Leadless Chip Carrier

Prefix	Device	Suffix
DP S	92256	G –85 M

Type — Package — Speed — Temperature/Screening

Semicustom-Versapac

Prefix	Device	Suffix
	M0 M1 M2 M3	
	0 0 0 0 4 1 7 1	V –M

LCC Code — Speed Code — Versapac — Temperature/Screening

Speed Code

	SRAM/EEPROM/EPROM/FLASH (ns)			
0	150	300	300	300
1	120	250	250	250
2	100	200	200	200
3	85	150	170	170
4	70	120	150	150
5	55	90	120	135
6	45	70	90	120
7	35	55	70	100
8	25	45	55	90
9	20	35	45	70

LCC Code

0	8Kx8	SRAM	**6**	**0**	8Kx8 SRAM
1	32Kx8	SRAM	**7**	**1**	32Kx8 SRAM
2	128Kx8	SRAM	**8**	**2**	128Kx8 SRAM
3	8Kx8	EEPROM	**A**	**3**	8Kx8 EEPROM
4	32Kx8	EEPROM	**B**	**4**	32Kx8 EEPROM
5	128Kx8	EEPROM	**C**	**5**	128Kx8 EEPROM

Temperature/Screening

C	0°C to 70°C
I	–40°C to 85°C plus Burn-In
M	–55°C to 125°C
B	–55°C to 125°C MIL Processed

EG&G RETICON

Type

A	Area
L	Linear
O	Circular
C	Evaluation Board

Family

D	Delay Lines
M	Modem Filter
F	Switched Capacitor Filter
U	Universal Active Filer
T	Transversal Filter
C	Board Level Product

P	Plastic
C	Cerdip
B	Sidebrazed
L	Leadless Hermetic
S	PLCC
D	Dice
W	Water
E	Epoxy

Analog Devices

Prefix	Device	Suffix
R M	5604	A N P –011

Reticon (always R) — Family — Version — Response Characteristics, usually N — Package — Test Specs

Manufacturer Device Identification	Part Number Prefix	Suffix

EG&G RETICON (continued)

Image Sensors

Prefix	Device	Suffix
R L	1234	C D E–567

- R L — Reticon Type
- 1234 — Number of Elements
- C — Series, e.g., A,C,H
- D — Aperture Width or other series modifications
- E — Window Configuration
- 567 — Test Specs, e.g., standard, selected, etc.

ELANTEC

élantec

EHA	Harris Alternate Source
ELH	National Alternate Source
EL	Proprietary
EP	PNP Array
EN	NPN Array

Package

G	TO-8 metal can
H	TO-99 metal can
J	Ceramic DIP
K	TO-3 metal can
L	Leadless chip carrier
M	Large Body SOIC
N	Plastic DIP
S	Narrow Body SOIC
T	TO-220 metal can
Die	Tested in waffle pack

Performance

A	Enhanced

Temperature Range

C	-0°C to 70°C
None	-55°C to 125°C

Screening

–8	Military
/E+	High-reliability commercial
/883B	MIL-STD-883 Class B, Revision C processing

Prefix	Device	Suffix
EL	2006	A C G/E+

- EL — Performance
- 2006 — Temperature Range
- A — Package
- C — Reliability Program
- G/E+

ELECTRONIC DESIGNS INCORPORATED

EDI

Original Numbering System (Products Introduced Before 1/87)

Family

4	DRAM
5	EEPROM
6	µPAK
7	UVEPROM
8	SRAM

Word Width

1	1 bit wide, etc.

Word Depth

01	1K
32	32K
128	128K

Technology

C	CMOS, 4T
HC	High Speed CMOS
CL	Full CMOS, 6T
N	Nibble Mode (DRAM)

Speed

70	70 ns
10	100 ns
Power	(8Kx* family only)
Blank	Standard Power
LP	Low Power

Package

C	Ceramic LCC on ceramic substrate
P	Plastic CC on ceramic substrate
J	Ceramic LCC
K	Ceramic sidebrazed

Temperature Range

C	Commerical
I	Industrial
M	Military

Screening

Blank	Commercial
HR	High Reliability

Original System (prior to 1/87)

Prefix	Device	Suffix
EDH	8 C 10 LP J M	

- EDH — Prefix
- 8 — Product Group
- C — Technology
- 10 — Speed
- LP — Power (8Kx8 family only)
- J — Packaging
- M — Temperature Range

PART NUMBER GUIDE

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

ELECTRONIC DESIGNS INCORPORATED (continued)

New Numbering System (Products Introduced After 1/87)

New System (after 1/87)

Prefix	Device					Suffix	
EDI	8	M	C	100	C	B

Prefix — Product Group — Product Type — Technology — Speed — Packaging — Temperature Range

Family

4	DRAM
5	EEMPROM
6	µPAK
7	UVEPROM
8	SRAM
9	Special

Product Type

Blank	Monolithic
M	Module (Ceramic)
F	Module (FR4)

Word Width

1	1 bit wide
8	8 bits wide

Word Depth

01	1K
32	32K
128	128K
1M	1M

Technology

B	Bipolar
N	NMOS
C	CMOS, 4T STD Power
P	CMOS, 4T Low Power
H	CMOS, 6T STD Power
L	CMOS, 6T Low Power

Speed

20	20 ns
200	200 ns

Package

P	Monolithic/plastic DIP
C	Monolithic/ceramic DIP
D	CERDIP (600 mil)
T	Thin DIP (400 mil)
L	Leadless chip carrier
J	Ceramic leaded chip carrier
Y	Plastic leaded chip carrier
G	PGA (Pin and grid array)
F	Flat Pack
U	Die
S	SIP
Z	Vertical DIP
W	SOIC
Q	Skinny DIP (300 mil) Ceramic
R	Skinny DIP (300 mil) Plastic

Temperature Range

C	Commercial
I	Industrial
M	Military

New Numbering System—Monolithics (Products Introduced After 9/1/89

New System (after 9/1/89)

Prefix	Device					Suffix	
EDI	8	8	128	P	100	E	B

Prefix — Product Group — Word Width — Word Depth — Technology — Monolithic Die Revision — Speed — Package — Temperature Range

Product Group

8	SRAM
9	Special/Custom

Word Width

1	1 bit wide
8	8 bits wide

Word Depth

01	1K
32	32K
128	128K
1M	1MEG

Technology

C	CMOS, 4T STD Power
P	CMOS, 4T Low Power
H	CMOS, 6T STD Power
L	CMOS, 6T Low Power

Speed

20	20 ns
200	200 ns

Package

C	Sidebrazed DIP, 600 mils wide
D	CERDIP, 600 mils wide
E	CERDIP, 300 mils wide
F	Flatpack
K	CERDIP, 400 mils wide
L	LCC
N	CSQJ
Q	Sidebrazed DIP, 300 mils wide
T	Sidebrazed DIP, 400 mils wide
V	Sidebrazed DIP, 900 mils wide

Temperature Range

C	Commercial
I	Industrial
M	Military
B	Military, MIL STD 883C, Class B

New Numbering System—Modules (Products Introduced After 9/1/89

Product Group

8	SRAM
9	Special/Custom

Product Type

M	Ceramic Substrate
F	FR4 Substrate

Technology

C	CMOS, 4T STD Power
P	CMOS, 4T Low Power
H	CMOS, 8T STD Power
L	CMOS, 8T Low Power

Speed

20	20 ns
200	200 ns

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

ELECTRONIC DESIGNS INCORPORATED (continued)

Word Width
- **1** 1 bit wide
- **8** 8 bits wide

Word Depth
- **01** 1K
- **32** 32K
- **128** 128K
- **1M** 1MEG

RAM Component Package
- **A** PLCC
- **B** VSOP
- **C** LCC
- **M** SOJ
- **N** CSOJ
- **P** SOIC

Module Pin Configuration
- **3** DIP, 300 mil centers
- **4** DIP, 400 mil centers
- **6 or –** DIP, 600 mil centers
- **9** DIP, 900 mil centers
- **S** SIP
- **Z** ZIP

Temperature Range
- **C** Commercial
- **I** Industrial
- **M** Military
- **B** Military, MIL STD 883C, Class B

New System (after 9/1/89)

Prefix	Device	Suffix
EDI	8 M 4 257 C 35 L 4 B	

Product Group
Product Type
Word Width
Word Depth
Technology
Speed
RAM Component Package
Modular Pin Configuration
Temperature Range

EXAR

XR Exar

Grade
- **C** Commercial
- **M** Military Ceramic package and -55°C to 125°C
- **( )** The absence of C or M Indicated a Commercial Part with Tighter Specs

Package
- **D** Dice
- **P** Plastic
- **N** Ceramic

Prefix	Device	Suffix
XR	567	C P

Grade
Package

EXEL

Exel Designator. All parts start with XL.
Temperature Range
- **S** 0°C to +70°C
- **E** –40°C to +85°C
- **A** –40°C to +105°C
- **M** –55°C to +125°C

Basic Part Number
Memory Products start with either 2 or 4.
Logic Devices start with 7.
'C' in the middle of the Part Number indicates a CMOS Device.

Package
- **C** Cerdip
- **D** Plastic Leaded CC
- **L** Ceramic Leadless CC
- **P** Plastic DIP
- **P3** Skinny DIP (0.3")
- **S** Side Braze Cermaic DIP
- **U** Unpackaged (Die)

Speed*
Usually in nanoseconds for memories.
See Data Sheet.

Special Features
See Data Sheet.

For Example:
XLS2816AP-250
2Kx8 E²PROM, 0°C to 70°C, Plastic, 250 nsec

Prefix	Device	Suffix
XL T	NNNNNP	–SSS/FFFFF

Temperature
Package Type
Speed
Special Features

Note: Fields marked (*) are optional

FUJITSU

MB Micro Block
MBM Micro Block Modified and Industry Standard Numbers

Performance Variation
- **L** Low Power

Package
- **C** Ceramic
- **P** Plastic
- **Z** Cerdip
- **PF** Flatpack
- **PSK** Skinny DIP
- **PZ** Zigzag
- **PJ** SOJ

Prefix	Device	Suffix
MB	81C100	P

Package (Order purposes only)

GEC PLESSEY

Description
- **MJ** N-Channel MOS
- **ML** MOS Linear w/Gate Protection
- **MN** MNOS Digital
- **MP** MOS Digital
- **MT** MOS Linear (without Gate Protection)

Package
- **CM** Multilead TO-5
- **DC** Dilmon
- **DG** Ceramic Dual-In-Line
- **DP** Plastic Dual-In-Line
- **EP** Power Stud
- **FM** Ten Lead Flatpack
- **GC** Leadless Carrier

Prefix	Device	Suffix
SP	8735B	DG

Description
Package

Manufacturer Device Identification | Part Number: Prefix | Suffix

GEC PLESSEY (continued)

Description
- **MJ** N-Channel MOS
- **ML** MOS Linear w/Gate Protection
- **MN** MNOS Digital
- **MP** MOS Digital
- **MT** MOS Linear (without Gate Protection)
- **MV** CMOS
- **NJ** N-Channel MOS
- **NOM** MNOS Memory Elements and Arrays
- **TAA, TBA, TDA** Alternate Sourced Consumer Devices
- **SL** Bipolar Linear
- **SP** Bipolar Digital

Linearity Error
- **7** ±0.39%
- **8** ±0.19%
- **9** ±0.097%
- **10** ±0.049%

Tolerance
- **1** 1% **2** 2%

Temperature Range
- **A** –55°C to +125°C
- **AB** –55°C to +110°C
- **C** 0°C to 70°C

Package
- **CM** Multilead TO-5
- **DC** Dilmon
- **DG** Ceramic Dual-In-Line
- **DP** Plastic Dual-In-Line
- **EP** Power Stud
- **FM** Ten Lead Flatpack
- **GC** Leadless Carrier
- **GM** Fourteen Lead Flatpack
- **KM** TO-3
- **QG** Ceramic Quad-In-Line
- **QP** Plastic Quad-In-Line
- **RP** Power Findip
- **SP** Plastic Single-In-Line

Package
- **E** Moulded DIL 0°C to +70°C
- **BE** Moulded DIP –40°C to +85°C
- **D** Moulded Small Outline (SO) 0°C to +70°C
- **J** Ceramic DIL –55°C to +125°C
- **BJ** Ceramic DIL –40°C to +85°C
- **CJ** Ceramic DIL 0°C to +70°C
- **AM** Ceramic Chip Carrier –55°C to +125°C
- **Q** PLCC 0°C to –70°C

Data Converters

Prefix	Device	Suffix
ZN	432	CJ –10

Temperature Range
Linearity Error

Low Power References

Prefix	Device	Suffix
NN REF	025	C 1

Temperature Range
Initial Tolerance

GENNUM

Description/Family
- **G** Gennum
- **A** Array
- **B** Buffer
- **C** Amplifier
- **F** Filter
- **I** Interface
- **K** Custom
- **M** Modules
- **O** Oscillators
- **P** Power
- **S** Sync/Serial
- **T** Transconductance
- **X** Crosspoints
- **Y** Other video products
- **Z** Other video products

Temperature/Qualification
- **C** Commercial
- **E** Extended Industrial
- **I** Industrial
- **M** Military

Package/Pins
- **CC** Chip
- **DA** 8 pin Plastic DIP, 300 mil
- **DB** 14 pin Plastic DIP, 300 mil
- **DC** 16 pin Plastic DIP, 300 mil
- **DE** 18 pin Plastic DIP, 300 mil
- **DF** 20 pin Plastic DIP, 300 mil
- **DG** 22 pin Plastic DIP, 400 mil
- **DH** 24 pin Plastic DIP, 300 mil
- **DI** 24 pin Plastic DIP, 600 mil
- **DJ** 28 pin Plastic DIP, 300 mil
- **DK** 28 pin Plastic DIP, 600 mil
- **DL** 40 pin Plastic DIP, 600 mil
- **EA** 8 pin Ceramic DIP, 300 mil
- **EB** 14 pin Ceramic DIP, 300 mil
- **EC** 16 pin Ceramic DIP, 300 mil
- **EE** 18 pin Ceramic DIP, 300 mil
- **EF** 20 pin Ceramic DIP, 300 mil
- **KA** 8 pin SOIC, 150 mil
- **KB** 14 pin SOIC, 150 mil
- **KC** 16 pin SOIC, 300 mil
- **KD** 16 pin SOIC, 150 mil
- **KF** 20 pin SOIC, 300 mil
- **PJ** 28 pin PLCC
- **PM** 44 pin PLCC
- **SA** 8 pin SIP, 300 mil
- **SF** 20 pin SIP, 300 mil
- **SG** 32 pin SIP Modules
- **SH** 40 pin SIP Modules
- **SK** 45 pin SIP Modules
- **SN** 7 pin SIP, 300 mil
- **TA** 8 pin SIP tape
- **TB** 14 pin SIP tape
- **TC** 16 pin SIP tape
- **TF** 20 pin SIP tape

Prefix	Device	Suffix
G X	4104	– C DE

Family
Revision
Temperature/ Qualification
Package

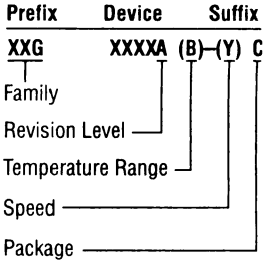
Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

GIGABIT LOGIC

Family
- **10G** PicoLogic
- **12G** NanoRam
- **14G** NanoRam
- **16G** Analog and Interface
- **80G** ASIC
- **90G** Prototyping and Support

Package
- **C1** Leaded Chip Carrier (68 I/O)
- **C** C-Leaded Chip Carrier (40 I/O)
- **L** Leadless Chip Carrier (40 I/O)
- **L36** Leadless Chip Carrier (36 I/O)
- **F** Flat Package (36 I/O)
- **H** Hybrid
- **X** Unpackaged Die

Temperature Range
- **K** –40°C to 100°C
- **M** –55°C to 125°C

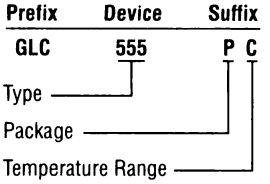


GOLDSTAR

Family
- **GS** Transistor
- **GL** Bipolar Linear IC
- **GLC** CMOS Linear IC
- **GM** MOS LSI
- **GD** Bipolar TTL, HC/HCT, Digital MST

Package
- **P** Plastic
- **C** Ceramic
- **E** CERDIP
- **FT** Flat
- **PL** LCC
- **SB** Side Braze
- **G** Pin Grid Array
- **S** Surface Mount
- **X** Dice

Temperature Range
- **M** Military
- **I** Industrial
- **C** Commercial



GOULD AMI

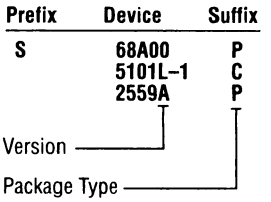
(Discontinued)

(Discontinued)

Family
- **S** Standard

Package
- **P** Plastic
- **D** Cerdip
- **C** Ceramic
- **L** Leadless Chip Carrier

Pins/Package
- **8** Plastic
- **14** Plastic, Ceramic
- **16** Plastic, DIP and SOIC, Cerdip, Ceramic
- **18** Plastic, Cerdip, Ceramic
- **22** Plastic, Cerdip, Ceramic
- **24** Plastic, Cerdip, Ceramic
- **28** Plastic, DIP and SOIC, Cerdip, Ceramic
- **40** Plastic, Cerdip, Ceramic
- **48** Plastic, Ceramic
- **64** Plastic, Ceramic
- **20** Lead Chip Carrier
- **24** Lead Chip Carrier
- **28** Lead Chip Carrier
- **40** Lead Chip Carrier
- **44** Lead Chip Carrier—Plastic, Ceramic
- **48** Lead Chip Carrier
- **68** Lead Chip Carrier—Plastic, Ceramic, Pin Grid Array
- **84** Lead Chip Carrier—Plastic, Ceramic, Pin Grid Array
- **28** Lead Plastic Mini-Flat Package
- **44** Lead Plastic Mini-Flat Package
- **68** Lead Plastic Mini-Flat Package
- **100** Ceramic Pin Grid Array
- **124** Ceramic Pin Grid Array
- **144** Ceramic Pin Grid Array



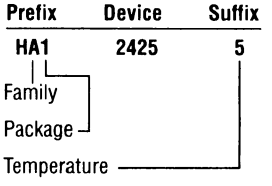
(Note: see Gould 1991 PRODUCTS CATALOG)

HARRIS SEMICONDUCTOR

Family
- **A** Analog
- **C** Communications
- **D** Digital
- **I** Interface
- **M** Memory
- **PL** Programmable Logic
- **S** Military/Aerospace
- **V** High Voltage

Package
- **1** Ceramic DIP
- **1B** Brazed Seal
- **5** Ceramic Substrate
- **7** Mini DIP

Temperature
- **1** –55°C to +200°C
- **2** –55°C to +125°C
- **4** –25°C to +85°C
- **5** 0°C to +70°C
- **6** 100% 25°C Probe (Dice Only)
- **7** 0° to + 75° with 96 hour burn-in
- **8** Dash 8 Program; hi-rel processing with burn-in
- **9** –40°C to +85°C
- **9+** –40°C to +85°C with burn-in
- **RH** Radiation Hardened



Manufacturer Device Identification	Part Number Prefix	Part Number Suffix
HARRIS SEMICONDUCTOR (continued)	**2** TO-5 **3** Epoxy DIP **4** Leadless Carriers **4P** Plastic Leaded Chip Carrier **9** Flat Pack **9P** Small Outline **0** Chip Form	**RRH** Radiation Hardened with Severe Immunity **/883** –55°C to +125°C: MIL-STD-883 compliant processing

80CXX Family Product Number

Temperature Range
- **C** Commercial (0°C to +70°C)
- **I** Industrial (–40°C to +85°C)
- **M** Military (–55°C to +125°C)
- **X** 25°C

Package
- **P** Plastic
- **D** Ceramic DIP
- **X** Chip Form
- **R** Leadless Chip Carrier
- **S** Plastic Leaded Chip Carrier
- **G** Pin Grid Array

SPEED

Peripherals
- **5** 5 MHz
- **Blank** 8 MHz

CPU
- **Blank** 5 MHz
- **2** 8 MHz

CPU (80C286)
- **12** 12.5 MHz
- **16** 16 MHz
- **20** 20 MHz

Hi-Rel Processing
- **B** Dash 8 Program; hi-rel processing with burn-in
- **/883** –55°C to +125°C: MIL-STD-883 compliant processing

Prefix	Device	Suffix
M D	82C59A–5	/B

Temperature
Package
Speed (MHz)
Hi-Rel Processing

Intersil–Origin Devices

Prefix
- **AD** Analog Devices Alternate Source
- **D** Siliconix Driver/Level Translator IC Alternate Source
- **DG** Siliconix Analog Switch Alternate Source
- **DGM** Monolithic DG Analog Switch Replacement
- **ICL** Linear IC
- **ICM** Microperipheral IC
- **ICH** Hybrid IC
- **IM** Microcontroller and DSP IC
- **LH** National Semiconductor Hybrid Alternate Source
- **LM** National Semiconductor Linear Alternate Source
- **MM** National Semiconductor Analog Switch Alternate Source
- **NE** Signetics Alternate Source
- **SE** Signetics Alternate Source
- **G** Siliconix Analog Gate Alternate Source
- **IH** Analog Switch Family
- **ADC** National Semiconductor A/D Alternate Source
- **µA** Fairchild Linear Alternate Source

High Reliability Designator
- **JM38510/** MIL-M-38510 Device
- **/883B** MIL-STD-883B Screened Device
- **/HR** High-Reliability Device
- **/BR** Cost-Effective High-Reliability Device
- **/BI** Burn-in Only Process Flow

Package
- **A** TO-237
- **B** SOIC
- **C** TO-220
- **D** Ceramic dual-in-line
- **E** Small TO-8
- **F** Ceramic flat-pack
- **H** TO-66
- **I** 16 pin (.6 x .7 pin spacing) hermetic hybrid DIP
- **J** CERDIP dual-in-line
- **K** TO-3
- **L** Leadless ceramic
- **P** Plastic dual-in-line
- **S** TO-52
- **T** TO-5 type (also TO-78, TO-99, TO-100)
- **U** TO-72 type (also TO-18, TO-71)
- **V** TO-39
- **Z** TO-92
- **/W** Water
- **/D** Dice

Temperature Range
- **C** Commercial: 0°C to 70°C
- **I** Industrial: Either –25°C to 85°C or –40°C to 85°C (Specified on Datasheet)
- **M** Military: –55°C to +125°C

Nurmber of Pins

A	8	**P**	20
B	10	**Q**	2
C	12	**R**	3
D	14	**S**	4
E	16	**T**	6
F	22	**U**	7
G	24	**V**	8 (0.230" pin circle,
H	42		isolated case)
I	28	**W**	10 (0.230" pin circle,
J	32		isolated case)
K	35	**Y**	8 (0.200" pin circle,
L	40		case to pin 4)
M	48	**Z**	10 (0.230" pin circle,
N	18		case to pin 5)

Prefix	Device	Suffix
XXX	XXXXX XXXX	/XXXX

Device Family
Variations of Basic Device Type
Electrical Option
Temperature Range
Package
Number of Pins
High Reliability Designator

Harris Microwave Devices
- **A** Amplifiers (GaAs FETs)
- **D** Digital (GaAs)
- **F** Field Effect Transistors (GaAs)
- **K** Evaluation and Test Kit
- **M** Monolithic Microwave ICs (GaAs)
- **P** High Power FETs (GaAs)
- **R** RF/Analog MMICs

Package
- **1** 32-Pin Hermetic Metal Flat Pack
- **2** 16-Pin Hermetic Metal Flat Pack
- **3** 48-pin Hermetic Metal Flat Pack

Prefix	Device	Suffix
HM D	12141 –	I

Family
Package

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

HARRIS SEMICONDUCTOR (continued)

RCA–Origin Logic Devices

Description

CA	Linear ICs
CD	CMOS Digital ICs
CDM	CMOS—LSI
CDP	CMOS—LSI
CMM	CMOS—LSI
MWS	CMOS—LSI
LM	Linear ICs
PA	Gate Arrays
SC	Standard Cells
GCA	Gate Arrays
RS	ASIC—LSI
CD54/74HC/HCT	CMOS High-Speed Digital ICs
CD54/74AC/ACT	CMOS Advanced High-Speed Digital ICs

Version

A	Modified Version, Unilaterally Interchangeable with Prototype
B	Modified Version, Unilaterally Interchangeable with A
C	Modified Version

Package

D	Ceramic DIP
E	Plastic DIP
EM	Modified Dual-In-Line Plastic Package with "Power Slab"
EN	Narrow-Body Plastic DIP
F	Ceramic DIP, Frit Seal
H	Chip
J	3-Layer Ceramic Leadless Chip Carrier
K	Ceramic Flat Package
L	Single Layer Ceramic Leadless Chip Carrier
M	Small-Outline Plastic Package
Q	Plastic-Chip=Carrier Package
Q	Modified Quad-In-Line Plastic Package
QM	Quad-In-Line Package with "Power Slab"
S	TO-5 Package with DIL-CAN
T	TO-5 Package with Straight Leads
V1	TO-5 Package with Radial Formed Leads
W	Staggered Quad-In-Line Plastic Package

Prefix	Device	Suffix
CD	4070	AD

Version

Package

HITACHI

Type

HA	Analog
HD	Digital
HM	Memory (RAM)
HN	Memory (ROM)
HG	ASIC

Package

P	Plastic DIP
C	Ceramic DIP
CP	Plastic Leaded Chip Carrier
FP	Flat Plastic Package
SO	Small Outline Package
PG	Pin Grid Array
S	Shrink Type Plastic DIP
CG	Glass Seated Ceramic Leadless Chip Carrier
G	CERDIP

Prefix	Device	Suffix
HM	472114	A P

Model No.

Modification

Package

HOLT INTEGRATED CIRCUITS

HI Holt

Package

C	Ceramic Side Brazed DIP
D	CERDIP
F	Plastic Dual Flat Pack (PDFP)
G	Ceramic Pin Grid Array (PGA)
H	Plastic Small Outline (SOIC)
J	Plastic J-Lead (PLCC)
L	Leaded Ceramic Chip Carrier
P	Plastic DIP
Q	Plastic and Cearmic Quad Pack
R	Ceramic J-Leaded Chip Carrier
S	Leadless Chip Carrier (LCC)
T	Metal Can
U	J-Leaded Quad CERPACK

Processing

M	Military

Prefix	Device	Suffix
HI	XXXX	X X XX

Package

Temperature Range

Screening

HUGHES AIRCRAFT

H Hughes

Product Flow/Temp. Range

C	Commercial/0°C to 70°C
I	Industrial/ –40°C to 85°C
B	Military High Rel/ –55°C to 125°C

Qualifier

C	Max. 7V Operation
O	Greater than 7V

Product Type

000	Standard
XXX	Selected

Package

P	Plastic DIP
D	Ceramic DIP
H	Dice
L	Leadless Chip Carrier
Y	Cerdip
Q	Quad Pack
F	Flat Pack
G	Pin Grid Array
J	Ceramic J-Bend

Prefix	Device	Suffix
HB	3108A	O P 000

Product Flow

Qualifier

Package

Product Type

PART NUMBER GUIDE

Manufacturer Device Identification	Part Number Prefix	Suffix

HYUNDAI

HY Hyundai

Family

51	DRAM
53	DRAM
61	SRAM
62	SRAM
63	SRAM
27	EPROM
93	EEPROM (Serial I/O)
28	EEPROM Parallel I/O)

Component

Temperature Range and Power

—	0°C to 70°C, Standard Power
M	0°C to 70°C, Medium Power
L	0°C to 70°C, Low Power
LL	0°C to 70°C, Low Low Power
E	–40°C to85°C, Standard Power

Package

S	Plastic DIP, 300 mil
P	Plastic DIP, 600 mil
J	Plastic SOJ, 300 mil
F	SOP 150 mil SOP 330 mil Plastic LCC 330 mil
T	Thin SOP 330 mil

Speed

25	25 ns	**80**	80 ns
30	30 ns	**85**	85 ns
35	35 ns	**10**	100 ns
60	60 ns	**12**	120 ns
70	70 ns	**15**	150 ns

Module

Revision

A	First
Blank	None

Speed		Speed	
60	60 ns	**60**	60 ns
70	70 ns	**70**	70 ns
80	80 ns	**80**	80 ns
10	110 ns	**10**	110 ns
12	120 ns	**12**	120 ns

Component

Prefix	Device	Suffix
HY	XXXXXX X X X—	XX

Family
Revision
Temperature
Package
Speed

Module

Prefix	Device	Suffix
HYM	XXXXXX X X	XX

Family
Revision
Connector Type
Speed

ILC DATA DEVICE

HY Hyundai

Family

ADC	Analog–to–Digital
ADH	Analog–to–Digital Hybrid
API	Analog Position Indicator
BUS	Data Bus Device
DAC	Digital–to–Analog
DGL	Deglitched, Digital–to–Analog
DRC	Digital–to–Resolver
DSC	Digital–to–Synchro
DTC	LVDT/RVDT–to–Digital
HDP	Hybrid Data Processor
HMSDC	Hybrid Multiplexed Synchro–to–Digital
HSR	High Accuracy Synchro/ Resolver Instrument
HSCT	Hybrid Solid–State Control Transformer
HSDC	Hybrid Synchro–to–Digital
HXCT	Direct Input Hybrid Control Transformer
IAC	Instrument on a Card
MSDC	Multiplexed Synchro–to–Digital
MSR	Multispeed Synchro/Resolver
OSC	Oscillator
PWR	Power
RDC	Resolver–to–Digital
SBA	Synchro Booster Amplifier
SDC	Synchro–to–Digital
SH	Sample and Hold
SIM	Synchro/Resolver Angle Simulator
SSP	Solid–State Power Controller
TD	Torque Driver
TH	Track and Hold

Input Option

0	11.8V Synchro, 14 bit, 400 Hz
1	11.8V Resolver, 14 bit, 400 Hz
2	90V Synchro, 14 bit, 400 Hz
3	2V Synchro, 14 bit, 400 Hz
4	90V Synchro, 14 bit, 60 Hz
5	11.8V Synchro, 14/16 bit, 400 Hz
6	11.8V Resolver, 14/16 bit, 400 Hz
7	90V Synchro, 14/16 bit, 400 Hz
8	2V Synchro, 14/16 bit, 400 Hz
9	90V Synchro, 14/16 bit, 60 Hz

Temperature Range

1	–55°C to 125°C
2	0°C to 70°C

Reliability

0	Standard DDC procedures
1	Military Processing Available, –55° to +125° temperature range only (Consult Factory)
2	168 hour burn—in at +125°

Accuracy

1	8 min + 1 LSB (0 to 70° only)
2	4 min + 1 LSB
4	2 min + 1 LSB

Prefix	Device	Suffix
SDC	145 7 0	1 0 2

Family
Base Family Code
Extended Family Code
Input Option
Temperature
Reliability
Accuracy

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

INOVA

Family

S	Static RAM
F	Fast

Processing

C	
M	
I	

Package

C	Ceramic

Prefix	Device				Suffix		
F S	**128K**	**8**	**T**	**L**	**–55**	**M**	**C**

- Static RAM
- Number of Words
- Bits per Word
- Two Chip Select
- Low Power
- Access/Cycle Time
- Processing
- Package

INTEGRATED DEVICE TECHNOLOGY

Family

29	MSI Logic
39	Bit-Slice Microprocessor and MSI Logic
49	Bit-Slice Microprocessor and MSI Logic
54/74	MSI Logic
61	Static RAM
71	Static RAM (Proprietary)
72	Digital Signal Processing
79	RISC Components
7M/8M	Subsystems Modules (Hermetic)
7MP/8MP	Subsystems Modules (Plastic)

Power

L or LA	Low Power
S or SA	Standard Power

Package

P	Plastic DIP
TP	Plastic THINDIP
TD	THINDIP (CERDIP)
TC	THINDIP (Sidebraze)
D	CERDIP
C	Ceramic Sidebraze
XC	Ceramic Sidebraze Shrink-DIP
G	Pin Grid Array
SO	Plastic Small Outline IC
J	Plastic Leaded Chip Carrier
L	Leadless Chip Carrier
XL	Fine-Pitch Leadless Chip Carrier
ML	Medium-Pitch Leadless Chip Carrier
E	Cerpack
F	Flatpack
U	Die

Temperature Range

Blank	Commercial (0°C to 70°C)
B	Military (–55°C to 125°C, compliant to MIL-STD-883, Class B)

Prefix	Device		Suffix		
IDT71	**681**	**LA**	**35**	**C**	**B**

- Power
- Speed
- Package
- Temperature Range

INTEL

Description

M	Indicates Military Operating Temperature Range
I	Indicates Industrial Grade
J	Indicates a JAN qualified device, but is for internal identification purposes only. All JAN devices must be ordered by M38510 part number (Example: M38510/42001 BQB), and will be marked in accordance with MIL-M-38510 specifications.

P	Plastic Package
R	Hermetic Package, Leadless Chip Carrier
X	Unpackaged Device

Examples:

D2147H1	High Speed 4096x1-Bit Static Ram (35ns, 180/30mA)
C8080A2	8080A Microprocessor with 1.5 s cycle time, hermetic package Type C, commercial temperature range
MD8080A/B	8080A Microprocessor, hermetic package Type D, military temperature range, MIL–STD 883 Level B processing*

* On military devices, B suffix indicates MIL–STD 883 Level B processing.

Prefix	Device	Suffix	
M	**D**	**2114A**	**L – 3**

- Description
- Package
- Power/Speed Processing

INTERNATIONAL CMOS TECHNOLOGY

Package Type

P	Plastic DIP
C	Ceramic DIP
S	SO8 turned pin-out
K	SO8
J	PLCC

Temperature Range

—	Commercial 0°C to 70°C
I	Industrial –40°C to 85°C
M	Military –55°C to 125°C
E	Extended cycle endurance (100k cycles)

Prefix	Device	Suffix		
PEEL	**18CV8**	**P**	**I**	**–25**

- Package
- Temperature
- Speed

	PA7024	**P** **–2**

- Package
- Speed
  - –2 = 50 MHz
  - –3 = 38.5 MHz

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

IINTERNATIONAL CMOS TECHNOLOGY (continued)

27CX64 2C–40
Package
Speed

INTERNATIONAL MICROCIRCUITS

Circuit Technology
- **4** Metal Gate CMOS, Single Metal, 8µ
- **7** Silicon Gate CMOS, Double Metal, 1.5µ
- **K** Silicon Gate CMOS, Double Metal, 1.0µ

Revision Level—Serialized
- **A** First Design

Customer and Job Code—Serialized
- **00** Unassigned

Package Type
- **P** Plastic DIP
- **C** Cerdip
- **L** Chip Carrier, Ceramic Leadless
- **F** Flat Pack
- **D** No Package (Die)
- **S** Side Brazed
- **Q** Plastic Leaded Pin Grid Array

Temperature Range
- **NS** Special
- **B** 0°C to +70°C
- **S** Prototype Part
- **A** –25°C to +85°C
- **T** –55°C to +125°C
- **K** MIL-STD-883-5004

Prefix	Device	Suffix
G 7	1440	B 26 Q Y

G 7 — IMI Prefix; Circuit Technology
1440 — Available Logic Cells (3 or 4 Digits)
B — Revision Level
26 — Customer and Job Code
Q — Package Type
Y — Temperature Range

IXYS

IXYS

IX IXYS

Type
- **C** Current Mirror
- **DP** Digital PWM Controller
- **MS** Microstepping Control
- **SE** Shaft Encoder Interface
- **BD** Bridge Driver
- **LD** Low Side Driver
- **ID** Industrial Driver
- **PS** Power Supply Control

Package
- **P** 18-Pin Plastic DIP
- **D** 18-Pin Ceramic DIP
- **L** Leadless Chip Carrier

Temperature
- **C** 0°C to 70°C
- **I** –40°C to 85°C
- **M** –55°C to 125°C

Optional Processing
- **—** Standard
- **B** Burn-in

Prefix	Device	Suffix
IX DP	610	P C –

IX DP — IXYS; Type
610 — Package
P — Temperature Range
C — Processing
–

Prefix	Device	Suffix
IX CP	35M	35

CP — Package
35M — Current (MA)
35 — Voltage (V)

JAN NOMENCLATURE

- **J** JAN Qualified Device
- **M38510** Military Designation

Device
The "Slash" numbering signifies the specification and specifies the device type. See Military Parts Directory. Note: The J or JAN prefix is very important. If it is not there it is not a JAN device.

Processing
- **S**
- **B**

Package
- **A** 1/4" x 1/4" Flat Pack, 14-Pin
- **B** 1/8" x 1/4" Flat Pack, 14-Pin
- **C** 1/4" x 3/4" Dual-In-Line, 14-Pin
- **D** 1/4" x 3/8" Flat Pack, 14-Pin
- **E** 1/4" x 7/8" Dual-In-Line, 16-Pin
- **F** 1/4" x 3/8" Flat Pack, 16-Pin
- **G** 8-Lead Can
- **H** 1/4" x 1/4" Flat Pack, 10-Lead
- **I** 10-Lead Can
- **J** 1/2" x 1 1/4" Dual-In-Line, 24-Pin
- **K** 3/8" x 5/8" Flat Pack, 24-Pin
- **P** 1/4" x 3/8" DIP

Prefix	Device	Suffix
JM38510	/XXX	B C B

B — Processing
C — Package
B — Lead Finish

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

JAN NOMENCLATURE (continued)

R 1/4" x 1 1/16" DIP
S 1/4" x 1/2" Flat Pack
X 3-Lead Can
Y 2-Lead TO-3 Can
Z 1/4" x 3/8" Flat Pack, 24-Pin
2 20-Terminal LCC 0.350" x 0.350"

Lead Finish
A Kovar or Alloy 42, with Hot Solder Dip
B Kovar or Alloy 42, with Bright Acid Tin Plate
C Kovar or Alloy 42, with Gold Plate
X Any Finish

LATTICE SEMICONDUCTOR CORP.

Device Name
GAL16V8B
GAL18V10
GAL20RA10
GAL20V8B
GAL22V10B
GAL26CV12
GAL6001
IspGAL16Z8

Power
Blank Standard
L Low Power
Q 1/4 Power

Package
D Cerdip
P Plastic DIP
J PLCC (J Lead)
R Ceramic LCC

Prefix	Device	Suffix
XXXXXXX	XX X X X	/883C

Device Name
Speed
Power
Package
Temperature
MIL Process

LINEAR TECHNOLOGY CORPORATION

Description
LT Linear Technology
LF, LH, LM Alternate Source to NSC
OP Alternate Source to PMI
SG Alternate Source to Silicon General
UC Alternate Source to Unitrode

Temperature
C Commercial Range 0°C to 70°C
M Military Range –55°C to +125°C

Package
D Side brazed hermetic DIP
H TO-5, TO-46 can
J CerDIP
K TO-3 (Steel)
N Molded DIP
S SOIC
P 3 lead molded TO-247
T 3, 5 lead molded TO-220
Z 2, 3 lead molded TO-92

Prefix	Device	Suffix
LT	1001A	C H

Temperature Range
Package Type

LOGICAL SOLUTIONS TECHNOLOGY

LT Logical Solutions Technology

Temperature Range
54 Military (–55°C to 125°C)
74 Industrial (–40°C to 85°C)

Compatibility
T TTL
C CMOS

Logic Function
V Visibility
C Control

No. of Active Lines
16
32
64

Package
P Plastic
C Cerdip

Package Type
D Dual In Line
C Chip Carrier, Leaded
D Chip Carrier, Leadless
F Mini Flat Pack
G Pin Grid Array
S Small Outline DIP

Prefix	Device	Suffix
LT 74		T V 32 P L

Temperature
Compatibility
Logic Function
No. of Active Lines
Package
Package Type

LOGIC DEVICES INCORPORATED

L Logic Devices

Package
H, D Hermetic DIP, Side Braze
K Ceramic Leadless Chip Carrier
G Pin Grid Ceramic
L Ceramic Leaded Chip Carier
F Flat Pack Ceramic
C, I Cerdip
J Plastic J Lead Chip Carrier
P, N Plastic DIP
U, V Plastic SOIC, Gull Wing
W Plastic SOJ

Temperature
C Commercial (0°C to 70°C)
M Military (–55°C to +125°C)

Screening
— Commercial Flow
R 48 Hour Burn-In at 125°C
E Extended Screening
B MIL-STD-883C Class B Compliant

Prefix	Device	Suffix
L	MA1010	D M B 55

Package
Temperature
Screening
Speed

PART NUMBER GUIDE

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

MARCONI CIRCUIT TECHNOLOGY

Marconi Electronic Devices

Package
- **A** Pin Grid Array
- **C** Ceramic DIL
- **E** Epic
- **G** Cerdip
- **L** Leadless Chip Carrier
- **M** Module
- **N** Naked Die
- **P** Plastic DIL
- **Q** Quad Plastic J-Lead
- **R** Quad Cerpack J-Lead
- **S** SO Plastic
- **X** Special

Temperature Range
- **A** Special
- **B** 0 to 70°C
- **C** –55 to +125°C
- **F** –40 to +85°C

Screening & Inspection
- **A** BS/32
- **B** Mil Std-883C Class B
- **G** Commercial Hermetic
- **L** Commercial Plastic
- **S** Mil Std-883C Class S
- **T** ESA 9000
- **X** Special

Prefix	Device	Suffix
MA	15530	G B C–XXX

Package
Screening & Inspection
Temperature Range
Special Requirements/ Enhancements

MAXIM INTEGRATED PRODUCTS

MAXIM

Family
- **100-200** Analog to Digital Converters
- **200-299** Interface, Line Driver/Receivers
- **300-399** Analog Switches, Analog Multiplexers
- **400-499** Op-Amps
- **500-599** Digital to Analog Converters
- **600-699** Power Supply Products
- **700-799** Microprocessor Peripherals, Display Drivers

Temperature Range
- **C** 0°C to 70°C
- **I** –20°C to 85°C
- **E** –40°C to 85°C
- **M** –55°C to 125°C

Screening
- **/HR** High-Rel
- **/883** MIL-STD 883

Package
- **A** TO-237
- **C** TO-220
- **D** Ceramic Sidebraze
- **F** Ceramic Flat-Pack
- **H** TO-66
- **J** CERDIP Dual-In-Line
- **K** TO-3
- **L** Leadless, Ceramic
- **M** Plastic Flat Pack
- **N** Narrow
- **P** Plastic Dual-In-Line
- **P** Plastic Dual-In-Line
- **Q** Plastic Chip Carrier (Quad Pack)
- **R** Narrow CERDIP
- **S** Small Outline, Slim (8 or more leads), 150 mil
- **S** TO-52 (2 or 3 leads)
- **T** TO-5 Type (also TO-78, TO-99, TO-100)
- **U** TO-72 Type (also TO-18, TO-71)
- **V** TO-39
- **W** Small Outline, Wide (300 mil)
- **Z** TO-92
- **/D** Dice
- **/W** Wafer
- **-1** On Package Information Indicates Hybrid Circuit

Pins
- **A** 8
- **B** 10
- **C** 12
- **D** 14
- **E** 16
- **F** 22
- **G** 24
- **H** 44
- **I** 28
- **J** 32
- **K** 35
- **L** 40
- **M** 48
- **N** 18
- **P** 20
- **Q** 2
- **R** 3
- **S** 4
- **T** 6
- **U** 60
- **V** 8 (0.200" pin circle, isloated case)
- **W** 10 (0.230" pin circle, isloated case)
- **Y** 8 (0.200" pin circle, case to pin 4)
- **Z** 10 (0.230" pin circle, case to pin 5)

4 Letter Suffixes
The first letter of the suffix is used to denote product grade, for example, MAX631ACPA means 5% output accuracy (A), the remaining 3 letters denote temperature range, package type and number of leads.

Prefix	Device	Suffix
MAX	400	M J A/HR

Family
Temperature Range
Package
Pins
Screening

NOTE: Alternate source devices follow original manufacturers part number and masking system.

MICREL

MICREL SEMICONDUCTOR THE INTELLIGENT POWER COMPANY™

Family
- **MIC** Micrel

Temperature Range
- **A** Military (–55°C to 125°C)
- **B** Industrial (–40°C to 85°C)
- **C** Commercial (0°C to 70°C)

Package
- **D** Sidebraze DIP
- **E** Ceramic Quad
- **H** Metal Can
- **J** Ceramic DIP
- **L** Leadless Chip Carrier
- **M** SOIC, 150 mil
- **N** Plastic DIP

Prefix	Device	Suffix
MICXXXX	01	A E B Q

Speed/ Bonding
Temperature Range
Package
Screening
Qualification

Manufacturer Device Identification	Part Number Prefix	Suffix

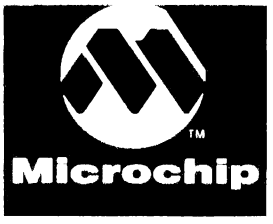
MICREL (continued)

Q QFP
T TO-220
V PLCC
Z TO-92

Screening
B Class B
S Class S

Qualification
H6 Rad Hard - $1x10^5$ rad (Si)
Q Class B or S

MICROCHIP TECHNOLOGY



L PLCC (Plastic Leaded Chip Carrier)
W Die in Wafer Form
S Die in Waffle Pack
K LCC (Ceramic Leadless Chip Carrier, not thermally enhanced)
SL Small Outline, 150 mil
SM Small Outline, 200 mil
SN Small Outline, 150 mil
TS Thin Small Outline
SP Skinny Plastic Carrier
SJ Skinny Cerdip
SO Small Outline, 300 mil
CB COB (Chip-on-Board)
IC IC Card
JW Cerdip, windowed—(for microcontrollers only)

Commercial/Industrial Speed (Memory)
35 35 ns
40 40 ns
45 45 ns
55 55 ns
70 70 ns
90 90 ns
10 100 ns
12 120 ns
15 150 ns
17 170 ns
20 200 ns
25 250 ns

Frequency (DSP)
— 20.5 MHz
14 14.4 MHz
25 25.6 MHz
32 32.8 MHz

Crystal Designation
LP 4 ns
RC 1µs
XT 1µs
HS 200 ns

Temperature Range
— 0°C to 70°C
I –40°C to 85°C
H –40°C to 110°C

Package
P Plastic
J Cerdip (with window if EPROM) All products except microcontrollers
D Ceramic

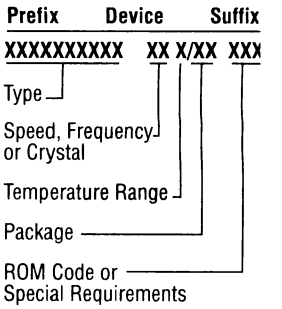
Standard Military
Lead Finish
A Solder Dip
B Matte Tin
C Gold
X Any finish above

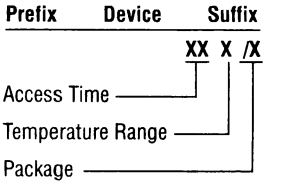
Package
X 28 Lead Cerdip
Q Ceramic Side Brazed Dual-In-Line
U Non-thermally Enhanced LCC
Z Flat Pack

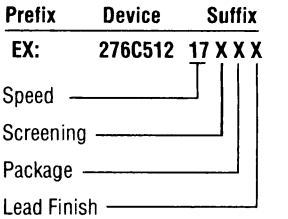
Screening
B MIL-STD-883C Compliant (–55°C to 125°C)
M Commercial Assembly
100% –55°C to 125°C Electrical Test

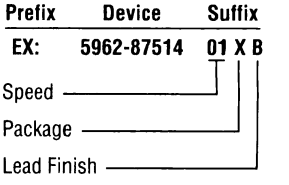
Speed (EPROMS & EEPROMS)
15 150 ns
17 170 ns
20 200 ns
25 250 ns
45 45 ns
55 55 ns
70 70 ns

DSP
25 25.6 MHz
32 32.8 MHz









PART NUMBER GUIDE

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

MICROCHIP TECHNOLOGY (continued)

DESC Military SMD Devices

Lead Finish
- **A** Solder DIP
- **B** Matle Tin
- **C** Gold
- **X** Any finish above

Package
- **X** Ceramic
- **Q** Ceramic Side Braze
- **U** Non-Thermally Enhanced
- **Z** Flat Pack

MICRO NETWORKS

- **.MN** Micro Network
- **.5962** DESC SMD

Temperature Range
- **—** 0°C to +70°C
- **E** –25°C to +85°C
- **F** –55°C to +85°C
- **G** –55°C to +100°C
- **H** –55°C to +125°C

Processing
- **—** Industrial/Commercial
- **B** Environmentally Stress Screened
- **BCH** MIL–STD–883C Compliant

Prefix	Device	Suffix
MN	5250	H B

Temperature Range — H
Processing — B

MICRON TECHHNOLOGY

- **MT** Micron Technology

Family
- **–** DRAM (< 1Meg)
- **4** DRAM (≥ 1Meg)
- **42** DPDRAM
- **43** TPDRAM
- **5** SRAM
- **52** FIFIO
- **56** Cache SRAM
- **58** Synchronous SRAM

Process Technology
- **–** NMOS
- **C** CMOS

Input Option

Plastic
- **–** DIP
- **W** DIP (Wide Body)
- **Z** ZIP
- **EJ** LCC
- **DJ** SOJ
- **G** SOIC
- **LG** QFP
- **VG** TSOPI
- **TG** TSOPII

Ceramic
- **C** DIP
- **CW** DIP (Wide Body)
- **ECN** LCC
- **EC** LCC (Narrow Body)
- **ECW** LCC (Wide Body)
- **CG** SOIC
- **CA** PGA
- **F** Flat Pack

Processing Level/Temp/Special

Commercial
- **–** 0°C to 70°C
- **XT** –55°C to 125°C
- **AT** –40°C to 125°C
- **IT** –40°C to 85°C

MIL STD 883C

–55°C to 125°C or 110°C (DRAMs)
0°C to 70°C
2V Data Retention
Tape and Reel
Bar Code

Prefix	Device	Suffix
MT BB CC	DDDD	EEE FF GGGG

Family — BB
Process Technology — CC
Package — EEE
Access Time — FF
Processing Level/ Temp/Special — GGGG

RAM Family
- **S** SRAM
- **D** DRAM
- **DRAM** DRAM Card

Package
- **D** DIP
- **G** Gold Plate
- **Z** ZIP
- **N** SIP
- **M** SIMM

Prefix	Device	Suffix
MT B B C	DDD	EE F GG

No. of Parts — B B C
RAM Family — C
Density — DDD
Organization — EE
Package — F
Special Designator — GG

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

MICRO POWER SYSTEMS

MP Micro Power

Temperature Range
J, K, L Commercial/Industrial
S, T, U Military

Package
D Ceramic DIP
N Plastic DIP
H TO-100 Type Can
S Surface Mount

Prefix	Device	Suffix
MP	7520	T D XXXX

Level of Performance
Package
Special Processing

MITEL

Family
MD Digital
MH Hybrid
MT Telecommunications
CM Module
MB Board

Package
C Ceramic Dual-In-Line (Cerdip)
D Ceramic Dual-In-Line (Side-Braze)
E Plastic Dual-In-Line
H Die in Tray Pack
P Plastic J-Lead Chip Carrier
S Small Outline (SO)
W Die in Probed Wafer Form
Y Ceramic Leadless Chip Carrier

Prefix	Device	Suffix
MT	8910	A E

Electrical Specification
Package Type

MITSUBISHI

M Mitsubishi Integrated Circuit

Temperature Range
5 Industrial/Commercial
9 High Reliability

Series Designation
01-09 CMOS
1 Linear Circuit
3 TTL
10-19 Linear Circuit
32-33 TTL
41-47 TTL
81 P-Channel Al-gate CMOS
84 CMOS
85, 86 PMOS
87 NMOS
88 PMOS
89 CMOS
9 DTL
S0-S2 Schottky TTL

Package Style
K Glass-Sealed Ceramic
P Molded Plastic
S Metal-Sealed Ceramic
SP Molded Plastic (Shrink DIL)
FP Molded Plastic (Flat)

Package Outline
10 DIL Without Fin and With Quartz Lid
B Shrink DIL

Prefix	Device	Suffix
M5	89 81	S -45

Temperature Range
Original Product Series
Circuit Function
Package
Electrical Charasteristic (1 or 2 digits)

Second Source

M5	K	4164	P

Series Designation
Original Function of Original Source Type Name
Package

K, T, L, G, C, T, W Industry Standard Specifications for Second Source Devices

MOTOROLA

Description
MC Packaged Integrated Circuits
MCC Unencapsulated Integrated Circuit Chips
MCCF Flip-Chip Linear Integrated Circuits
MCM Integrated Circuit Memories
LM Pin-for-Pin Equivalent to Linear Integrated Circuits Made by National Semiconductor
MMS Memory Systems

Package
F Flat Ceramic Package
G Metal Can Package (TO-5 Types)
K Metal Power Package (TO-3 Types)
L Ceramic Dual-In-Line Case
P Plastic Package
PQ ICs Packaged In Staggered-Lead Plastic DIP Packages
R Metal Power Packages (TO-66 Types)
T Plastic Package (TO-220 Type)
U Ceramic Package
SOIC package (small outline IC package)

Package
Dual-In-Line plastic in 8, 14 and 16 leads
SOT package (small outline, transistor package), such as SOT 23, etc.
Leadless Ceramic Chip Carriers
Leaded Plastic Chip Carriers
Now: A ceramic package with a lead count, up to 68 leads or more for direct socketing with boards

Prefix	Device	Suffix
MC	14510	L

Description
Package

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

MX-COM

MX

Package

P	Plastic DIP
J	Cerdip
LH	PLCC
M	CLCC
DW	SOIC

Prefix	Device	Suffix
MX	14510	LH

Package

NATIONAL SEMICONDUCTOR

National Semiconductor Corporation

F (Current)

Family

ADC	Analog-Digital Converter
AF	Active Filter
BLC	Board Level Computer
BLMX	Board Level Multi-Tasking Executive
BLX	Board Level Expansion
CD	CMOS (4000-Series Only)
CIM	CMOS microcomputer Board
COP	Family of Microcontrollers
DAC	Digital to Analog Converter
DB	Development Board
DH	Digital (Hybrid)
DM	Digital (Monolithic)
DP	Interface (Microprocessor)
DS	Interface
HPC	High Performance Microcontrollers
HS	Hybrid
ICM	Integrated Computer Module
IDM	Microprocessor (2901)
INS	Microprocessor (4004/8080A)
ISE	In-System Emulator
J	FET
JM	MIL-M38510
LF	Linear (BI-FET)
LH	Linear (Hybrid)
LM	Linear (Monolithic)
LMC	Linear CMOS
LP	Linear Low Power
MA	Module Macrocomponents
MCA	Gate Array
MF	Linear (Monolithic Filter)
MH	MOS (Hybrid)
MM	CMOS
NMC	MOS Memory
NS	Microprocessor Component (Memory Systems)
NS32	Microprocessor Component (Microprocessors, 32000)
NSC	Microprocessor (800)
NSW	Series 32000 Software
PAL	Programmable Array Logic
PL	Programmable Logic
SCX	Gate Array
SD	Special Digital
SL	Special Linear
SM	Special MOS
SN	Digital (2nd Source)
TP	Telecom Products
TMP	Terminal Management Processor

Temperature Ranges
Linear Devices
With proprietary linear circuits, a 1-2-3 numbering system is employed. The 1 denotes a Military temperature range device (–55°C to 125°C), the 2 denotes an Industrial device (–25°C to 85°C), and the 3 denotes a Commercial device (0°C to 70°C). i.e. LM101/LM201/LM301. Exception to this are the LM1800 Series; some hybrid circuits which employ a "C" Suffix; and second source products which follow the original manufacturer's numbering system.

Package

D	Glass/Metal DIP
E	Ceramic Leadless Chip Carrier (LCC)
F	Glass/Metal Flat Pack (1/4" x 1/4")
G	12 Lead TO-8 M/C
H	Multi-Lead M/C
H-05	4 Lead M/C (TO-5) } Shipped with Thermal Shield
H-46	4 Lead M/C (TO-46) } Shipped with Thermal Shield
J	Lo-Temp Ceramic DIP (Sometimes referred to as the "Fit-Seal" Package).
J-8	8 Lead Ceramic DIP ("MiniDIP")
J-14	14 Lead Ceramic DIP (-14 used only when product is also available in -8 pkg.).
K	TO-3 M/C in Steel, except LM309K which is shipped in Aluminum
KC	TO-3 M/C (Aluminum)
K-Steel	TO-3 M/C (Steel)
M	Small Outline Package
N	Molded DIP (Epoxy B)
N-01	Molded DIP (Epoxy B) with Staggered Leads
N-8	8 Molded DIP (Epoxy B) ("Mini-DIP")
N-14	14 Lead Molded DIP (Epoxy B) (-14 used only when product is also available in -8 pkg).
P	3 Lead TO-202 PWR Pkg
Q	Cerdip with UV Window
T	3, 5, 11, 15 & 23 Lead TO-220 PWR Pkg (Epoxy B)
V	Multi-Lead Plastic Chip Carrier (PCC)
W	Lo-Temp Ceramic Flat Pak
WM	Wide Body Small Outline Package

Package

D	Ceramic DIP
E	Plastic Can
F	Flat Pack
H	Metal Can
J	Metal Power Package (TO-66)
K	Metal Power Package (TO-3)
P	Plastic DIP
R	Ceramic Mini DIP
S	Ceramic DIP (F6800 Family)
T	Mini DIP
U	Power Package (Molded, TO-220)
W	Plastic TO-92

Temperature—
Check Device Data for Specific Values

C	0°C to 70°C/75°C (CMOS –40°C to 85°C)
L	MOS –55°C to 85°C Hybrid –20°C to 85°C
M	–55°C to 125°C

Prefix	Device	Suffix
LF	356	N /A+

Device Family

Device Number (Generic Type) and Suffix Letter (Optional)
A: Improved Electrical Specification
C: Commercial Temperature Range (2nd Source Products)

Package Type

Reliability Program (Optional)

Prefix	Device	Suffix
μA	741	A H M

Electrical Class (if used)

Package

Temperature

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

NCM CORPORATION

Temperature
- **C** Commercial
- **M** Military

Package
- **D** Ceramic DIP
- **F** Ceramic Flatpack
- **L** Leadless Carrier
- **N** Plastic DIP

Digits 1, 2
- **20** Metal Gate, Full Custom
- **30** Metal Gate, Semi Custom
- **40** Si-gate, Full Custom
- **50** Bipolar Array
- **60** Analog, Custom
- **70** Si-gate, Semi Custom

Digits 3, 4
- Device No.
- Device No.
- Device No.
- Device No.
- Device No.

Prefix	Device	Suffix
NCM	40 02	Z N

Technology — 40
Device Number — 02
Revision — Z
Package — N

NCR MICROELECTRONIC PRODUCTS DIVISION

Temperature
- **C** 0° to 70°C
- **I** –40°C to 85°C
- **HR** –55°C to 125°C

Package
- **PD** Plastic DIP
- **CD** Ceramic DIP
- **PL** Plastic LCC
- **SO** Small Outline

Prefix	Device	Suffix
NCM	23256	C PD

Temperature — C
Range — PD

NEC ELECTRONICS, INC.

Product Family
- **10** 10K ECL RAM
- **100** 100K ECL RAM
- **21** NMOS static RAM
- **23** NMOS ROM
- **23C** CMOS ROM
- **27** NMOS EPROM
- **27C** CMOS EPROM
- **28C** CMOS EEPROM
- **4** Bipolar PROM
- **40** NMOS static RAM
- **41** NMOS dynamic RAM
- **42** CMOS dynamic RAM
- **43** CMOS static RAM
- **44** CMOS static RAM (6-T cell)

Package
- **B** Ceramic Flatpack
- **C** Plastic Molded DIP
- **CT** 28 Pin Plastic Shrink DIP (400 mil)
- **CX** 24 Pin Plastic Shrink DIP (600 mil)
- **C-1-8** 40 Pin Plastic DIP 600 mil
- **D** Cerdip or Ceramic DIP
- **DW** 64 Pin Shrink Cerdip with Window
- **D-1-18** 40 Pin Ceramic DIP
- **G** 24 Pin Plastic SO (Small Outline)
- **G2** Plastic Miniflat
- **GR** 54 Pin Plastic Miniflat (Inverted Leads)
- **GF** 54 Pin Plastic Miniflat
- **G-00** 52 Pin Plastic Miniflat
- **G-1B** 64 Pin Plastic Miniflat
- **G-4** 44 Pin Plastic Miniflat
- **G-5** 44 Pin Plastic Leaded Chip Carrier (PLCC)
- **G-6** 44 Pin Plastic Miniflat
- **G-08** 40 Pin Ceramic Piggyback DIP (600 mil)
- **G-12** 64 Pin Plastic Miniflat
- **G-22** 44 Pin Plastic Miniflat
- **G-36** 64 Pin Plastic QUIP
- **H** TO-220
- **HA** Plastic SIP
- **J** TO-92
- **K** 22 Pin Ceramic LCC
- **L** 18 Pin Plastic Leadless Chip Carrier
- **LA** 20/26 Pin Plastic SOJ
- **L-5** Plastic Leadless Chip Carrier
- **L-8** Plastic Leadless Chip Carrier
- **R** 132 Pin Ceramic Grid Array
- **R-8** 68 Pin Ceramic Grid Array
- **V** 16 Pin Plastic Zig-Zag Inline

Modules
- **A** SIMM Leaded
- **B** SIMM Socket Mounted

Prefix	Device	Suffix
μPD	7810H	D

Family — μPD
Device — 7810H
Package — D

Prefix	Device	Suffix
μPC	1234	C

Family — μPC
Package — C

Prefix	Device	Suffix
μPD	41 256	V -12

Family — μPD
Product Class — 41
Package — V
Speed — -12

PART NUMBER GUIDE

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

NEWBRIDGE MICROSYSTEMS

Temperature

C	Commercial (0°C to 70°C)
I	Industrial (–40°C to 85°C)
E	Extended Temp (–55°C to 125°C)
M	Military (–55°C to 125°C) (Screened to MIL STD 883 Equivelant

Package

D	Ceramic (side brazed)
J	Cerdip
L	Leadless Chip Carrier (Ceramic)
M	Slim Outline (Plastic)
N	Plastic Leaded Chip Carrier (PLCC)
P	Plastic DIP

CMOS Products

Prefix	Device	Suffix
CA	80C85B	X X X

Speed
Temperature
Package

Bipolar Products

Prefix	Device	Suffix
CA	2854	L 24

Package
No. of Pins

NMB TECHNOLOGIES

Series

AAA1M30X	High Speed 1Md DRAM

Mode

0	Fast Page (1Mx1)
1	Nibble
2	Static Column (1Mx1)
4	Fast Page (256Kx4)
5	Static Column (256Kx4)

Package

P	Plastic DIP
Z	Plastic ZIP
J	Plastic SOJ

Speed

–08	80
–07	70
–06	60
–05	53

Prefix	Device	Suffix
AAA1M30		0 P –10

Series
Mode
Package
Speed

OPTICAL ELECTRONICS

Description

2000	Log/Anti–Log
3000	V/F–F/V Phase Detector
5000	Non–Linear Functions
6000	3–D System Card
9000	Op Amps, Comparators Current Booster, etc.

OPTIMUM

OPT Optimum

Grade

A	(best)
B	
C	

Package

P	Plastic Dip
D	CerDIP
C	Side Brazed DIP (Ceramic)
J	SOIC
N	PLCC
Q	Quad Flat Package (Plastic)
L	LCC

Temperature

–	0 to 70°C
I	-40 to 85°C
M	-55 to 125°C

Prefix	Device	Suffix
OPT	506	A I C –

Grade (optional)
Temperature
Package
Pins (optional)

PANASONIC (MATSUSHITA)

Description

AN	Analog
DN	Digital Bipolar
MJ	Development Type
MN	MOS

Prefix	Device
DN	74LS00

Manufacturer Device Identification	Part Number Prefix	Suffix

PARADIGM TECHNOLOGY

PDM Paradigm

Power
- **S** Standard
- **L** Low Power

Speed
- **20** 20 ns
- **25** 25 ns
- **35** 35 ns
- **45** 45 ns
- **55** 55 ns

Package
- **P** 300 mil Plastic DIP
- **D** 300 mil Cerdip
- **L28** 350 x 550 LCC
- **SO** 300 mil Plastic SOJ

Prefix	Device	Suffix
PDM	XXXX	A XX A A

Power
Speed
Package
Process

PERFORMANCE SEMICONDUCTOR

- **P** Performance
- **P4C** Static RAMs
- **9** Application Specific SRAM

Package
- **P** Plastic DIP
- **J** Plastic SOJ
- **D** Cerdip
- **C** DIP, Sidebrazed
- **L** Leadless Chip Carrier
- **S** Plastic SOIC
- **DW** 600 mil Cerdip

Temperature
- **C** Commercial, 0°C to 70°C
- **M** Military, –55°C to 125°C
- **MB** MIL Temp with STD 883C Class B Compliance

Prefix	Device	Suffix
P74PCT	240	X P C

Speed
Package
Temperature

Prefix	Device	Suffix
P4C9	XXX	L XX X X

Low Standby Power
Speed
Package
Temperature

Microprocessor

Prefix	Device	Suffix
P1750A	XX	YY Z B

Clock Frequency
Package
Temperature
Screening

POWER INTEGRATIONS

PWR Power Integrations

Package
- **P** Plastic DIP
- **D** Sidebraze
- **U** Sidebraze Hermetic
- **X** Dice
- **S** Small Outline (SOIC)
- **H** Metal Can
- **T** TO-220
- **L** Plastic LCC
- **R** LCC
- **C** Ceramic Leaded CC
- **E** Plastic Leaded CC
- **W** Plastic SIP
- **G** Pin Grid Array
- **B** Batwing
- **Q** DIP with Slug

Pins
- **A** 3
- **B** 4
- **C** 5
- **D** 6
- **E** 7
- **F** 8
- **H** 9
- **J** 10
- **K** 11
- **L** 14
- **M** 15
- **N** 16
- **P** 18
- **R** 20

Prefix	Device	Suffix
PWR	XXX	N P L T XX

Series
Package
Pins
Temperature Range
Options

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

POWER INTEGRATIONS (continued)

S 21
T 22
U 24
V 28

Temperature Range
C 0°C to 70°C
I –40°C to 85°C
M –55°C to 125°C

PRO ELECTRON

First Letter
T Analog Circuit
U Mixed Analog/Digital

Second Letter
No special significance.

Third Letter
Temperature Range
A Temp. Range not specified below
B 0°C to +70°C
C –55°C to +125°C
D –25°C to +70°C
E –25°C to +85°C
F –40°C to +85°C
G –55°C to +85°C

Device or Serial Number
Either a 4-digit number assigned by PRO ELECTRON or the serial (even a combination of figures and letters) of an existing type designation which can be extended to a minimum of a 4-digit number by adding zeros in front of it.

Two Letters
First Letter: General Shape
C Cylandrical
D Dual-In-Line (DIL)
E Power DIL (with External Heat Sink)
F Flat (Leads on 2 Sides)
G Flat (Leads on 4 Sides)
K Diamond (TO-3 Family)
M Multiple-In-Line (Except Dual-, Triple-, Quad-In-Line)
Q Quad-In-Line (QUIL)
R Power QUIL (with External Heat Sink)
S Single-In-Line (as TO-127 or TO-220)
T Triple-In-Line

Second Letter: Material
C Metal-Ceramic
G Glass-Ceramic (cerDIP)
M Metal
P Plastic

Prefix	Device	Suffix
TEC	1033	GC B/B

Temperature
Package
Quality Level

QUALCOMM

Q Qualcomm

Temperature Range
C Commercial (0°C to 70°C)
I Industrial (–40°C to 85°C)
M Military (–55°C to 125°C)
S Screened to MIL-STD-883, Class B
Military (–55°C to 125°C)
Screened to MIL-STD-883, Class S

Speed
20 20 MHz
30 30 MHz
50 50 MHz

Package
C Ceramic Leadless Chip Carrier
D Ceramic DIP
G Pin Grid Array
L Ceramic Leaded Chip Carrier
N Plastic Leaded Chip Carrier
P Plastic DIP

Prefix	Device	Suffix
Q	XXXX	T –SS PF

Temperature Range
Speed
Package

QUALITY SEMICONDUCTOR INC.

QS Quality

Temperature Range
– Commercial
B MIL STD 883, Class B

Speed
10 Commercial
12 Commercial
15 Commercial/Military
20 Commercial/Military
25 Commercial/Military
35 Military

Package
P Plastic DIP, 300 mil
C Ceramic Sidebrazed DIP, 300 mil
D Ceramic DIP. 300 mil
LS Leadless Chip Carrier, Square
SO Small Outline IC, 300 mil
V Small Outline IC, J–Bend, 300 mil
Z Plastic ZIP

Prefix	Device	Suffix
QS	876X	XXX XX X

Speed
Package
Temperature

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

RAMTRON CORPORATION

Device Size FM Ferroelectronic Memory
Organization Memory Size (Power of 2)
Performance Bit Organization
Access or Cycle Time

Package
- D Ceramic DIP
- DS Skinny Ceramic DIP
- P Plastic DIP
- PS Skinny Plastic DIP
- S Small Outline Package
- X Die Form

Temperature Range
- C 0°C to 70°C
- I –40°C to 85°C
- M –55°C to 125°C

Prefix	Device	Suffix
FM	120	8 –100 D C

Device Size
Organization
Performance
Package
Temperature Range

RAYTHEON SEMICONDUCTOR

Temperature
- LH1, LM1 –55°C to 125°C
- LM2 –25°C to 85°C
- LM3 0°C to 70°C
- RC 0°C to 70°C
- RM –55°C to 125°C
- RV –40°C to 85°C

HA Series
- HA1 14-Pin Ceramic DIP
- HA3 14-Pin Plastic DIP
- XR All Temps

Microcomputer Components
- R

Beam Lead Chips
- RC 0 to +70°C, C-level (commercial) visual
- RM –55 to +125°C, B-level (military) visual
- NRF Ray I, II, III, TTL device
- RG –55 to +125°C
- RL B-level visual
- 54LS Low-Power Schottky TTL, –55 to +125°C, B-level visual

Package
Most Devices
- BM 16-Pin Epoxy-B DIP
- CH Chip, Visually Inspected to MIL-STD-883B, Method 2010, and Packaged in Waffle Pack
- CJ 14-Pin Ceramic Flatpack
- CL 16-Pin Ceramic Flatpack
- CK 14-Pin Ceramic Flatpack
- CQ 10-Pin Ceramic Flatpack
- DC 14-Pin Ceramic DIP
- DD 16-Pin Ceramic DIP
- DE 8-Pin Ceramic DIP
- DM 16-Pin Ceramic DIP
- DZ 40-Pin Ceramic DIP
- F Flatpack
- FD 64-Lead Ceramic Flatpack, Side Brazed
- FV 28-Lead Ceramic Flatpack
- FZ 42-Pin Ceramic Flatpack
- H 3, 8 or 10-Pin Metal Can
- K TO-3 Power Pack
- M 8 or 14-Pin Plastic Micro-Pak
- LS 20-Lead Chip Carrier (Square)
- LV 28-Lead Chip Carrier (Rectangular)
- LW 28-Lead Chip Carrier (Square)
- MB 16-Pin Epoxy-B DIP
- ML 16-Pin Ceramic DIP, Side Brazed
- MS 20-Pin Ceramic DIP, Side Brazed
- MZ 40-Pin Ceramic DIP, Side Brazed
- N 24-Pin Flatpack
- N Epoxy-B DIP (LM Series)
- NB 8-Pin Epoxy-B DIP
- PS 20-Pin Epoxy-B DIP
- PU 24-Pin Epoxy-B DIP
- PV 28-Pin Epoxy-B DIP
- PZ 40-Pin Epoxy-B DIP
- R 24-Pin Ceramic DIP
- S Ceramic "Slim-DIP"
- T 3, 8, 10 or 12-Pin Metal Can
- TK 9-Pin TO-66 Power Pack

Package
Beam Lead Chips
- B

HA Series
- 2 –55°C to +125°C
- 5 0°C to +70°C
- 8 –55°C to +125°C

XR Series
- M Ceramic –55°C to +125°C
- N Ceramic –40°C to +85°C
- P Epoxy –40°C to +85°C
- CN Ceramic 0°C to +75°C
- C Epoxy 0°C to +75°C

Microcomputer Components Package
- D Hermetic DIP
- F Flatpack

Prefix	Device	Suffix
RC	4136	DB
LM		H
HA1	4741	5
XR	2207	CN

Prefix	Device	Suffix
RC	4151	DE/ 883B

Temperature
RC 0 to 70°C
RM –55 to 125°C
RV –40 to 85°C
Package
Processing to MIL-STD-883B

Prefix	Device	Suffix
LM	139	J/ 883B

Package
Processing to MIL-STD-883B

Prefix	Device	Suffix
DAC	10	B D M /883B

Electrical Grade
Package
Temperature
Processing to MIL-STD-883B

Prefix	Device	Suffix
REF	01	C T

Electrical Grade and Temperature
Package

Prefix	Device	Suffix
	29611	A D M B

Performance
A—Enhanced
B—AMD Equivelant
Package
Temperature
Processing to MIL-STD-883B

PART NUMBER GUIDE

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

RAYTHEON SEMICONDUCTOR (continued)

P Plastic DIP
X Chip

Temperature
C 0°C to +75°C
M −55°C to +125°C

Process to MIL-M-883B
B Level B
S Level S

Prefix	Device	Suffix
RFII	2	CJ

Temperature: 0 or 1 −55 to 125°C; 2 or 3 0 to 70°C
Package

ROCKWELL

R Rockwell

NMOS Devices
Frequency Range
No Suffix 1 MHz
A 2 MHz
B 3 MHz
Package
C Ceramic
J PLCC
P Plastic
Q QUIP
Temperature
No Suffix 0°C to 70°C
E −40°C to 85°C (Industrial)
MT −55°C to 125°C (Military)
M MIL-STD-883, Class B

CMOS Devices
Frequency Range
1 1 MHz
2 2 MHz
3 3 MHz
4 4 MHz
Package
C Ceramic
J PLCC
P Plastic
Q QUIP
Temperature
No Suffix 0°C to +70°C
E −40°C to +85°C
MT −55°C to 125°C (Military)
M MIL-STD-883, Class B

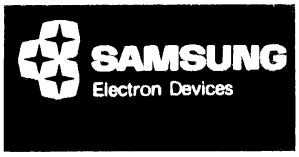
Prefix	Device	Suffix
R	6502	A C E

Frequency Range
Package
Temperature

Prefix	Device	Suffix
R	65C02	C 4 E

Package
Frequency Range
Temperature

SAMSUNG



KS Samsung
KM Samsung Memory

Organization
1 x1
4 x4
8 x8
Process Technology
B BiCMOS
Density (Device)
65 64K fast SRAM
67 64K fast SRAM
257 Standard SRAM
1001 1M fast SRAM
1002 1M fast SRAM with center power supplies
1005 1M fast SRAM with separate data i/Os

Speed
4 4 MHz
6 6 MHz
8 8 MHz
10 10 MHz
12 12 MHz
16 16 MHz
Temperature
C Temperature
I Industrial
Package
P Plastic DIP
L Plastic Leaded Chip Carrier

Revision
— First Generation
A Second Generation

Standby Power
— Normal
L Low Power

Package
P Plastic DIP
J Plastic SOJ

Speed
10 10 ns
12 12 ns
15 15 ns
20 20 ns
25 25 ns
35 35 ns
45 45 ns
55 55 ns

Microprocessor Peripherals

Prefix	Device	Suffix
KS	82CXXX	X X X

Speed
Package
Temperature

Standard SRAMs

Prefix	Device	Suffix
KM 6 X	XXXX	L J −25

Standard SRAM
Organization
Process Technology
Density
Revision
Standby Power
Package
Speed

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

SAMSUNG (continued)

Package
- **P** Plastic DIP, 32 pin
- **G** Gull Wing Plastic Small Outline, 32 pin
- **T** Type 1 Thin Small Outline, 32 pin
- **TM** Type 1 Thin Small Outline with Mirrored Pinout

Speed
- **7** 70 ns
- **8** 85 ns
- **10** 100 ns
- **12** 120 ns
- **15** 150 ns
- **20** 200 ns
- **25** 250 ns

Screen
- **L** Low-Low Power Standby
- **V** 3.0V Operating Voltage
- **I** Industrial Voltage
- **—** Commercial Temperature

Standby Power
- **—** 1 mA
- **L** 100 mA

Standard Mixed CMOS SRAM

Prefix	Device	Suffix
KM 6 8	1000	A L G –10 L

- X 8
- 1 M
- Revision
- Standby Power
- Package
- Speed
- Screen

Prefix	Device	Suffix
KM 6 2	64	B L G –10 L

- X 2
- 64K
- Revision

Organization
- **1** x1
- **4** x4
- **8** x8
- **16** x16
- **18** x18

Process Technology
- **—** NMOS
- **C** CMOS

Density
- **64** 64K
- **256** 256K
- **1000** 1M
- **4000** 4M
- **16000** 16M
- **64000** 64M

Package
- **P** DIP
- **J** SOJ
- **Z** ZIP

Speed
- **05** 50 ns
- **06** 60 ns
- **07** 70 ns
- **08** 80 ns
- **10** 100 ns
- **12** 120 ns
- **15** 150 ns
- **20** 200 ns

DRAM

Prefix	Device	Suffix
KM 4 XX	C XXXX	X –XX

- DRAM
- Organization
- Process Technology
- Depth
- Package
- Speed

VRAM

Prefix	Device	Suffix
KM 42 X	C XXXX	X –XX

- X 4
- CMOS
- Density 256: 256K 64: 64K
- Package
- Speed

Density
- **256** 32Kx8
- **512** 64Kx8
- **1010** 128Kx8
- **2000** 256Kx8
- **2100** 128Kx16
- **4000** 512Kx8
- **4100** 256Kx16
- **8000** 1Mx8
- **8100** 512Kx16

Speed
- **20** 200 ns
- **15** 150 ns
- **10** 100 ns

Package
- **—** DIP
- **G** SOP
- **FP** QFP

Mask ROM

Prefix	Device	Suffix
KM 23	C XXXX	X XX

- CMOS
- Density
- Package
- Speed

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

SAMSUNG (continued)

Device Type
- **93** Serial
- **28** Standard

Density

Serial
- **06** 256 bits
- **07** 256 bits
- **46** 1K bits

Standard
- **16** 16K bits
- **64** 64K bits
- **256** 256K bits

Speed (Standard)
- **15** 150 ns
- **20** 200 ns
- **25** 250 ns

Package

Serial
- **—** DIP
- **G** SOIC
- **GD** SOIC with DIP printout

Parallel
- **P** DIP
- **J** PLCC

EEPROM

Prefix	Device	Suffix
KM XXC	XXX	XX –XX

Type
Density
Package
Temperature
Speed

Type
- **0471** Triple 6-bit DAC
- **0476** Triple 6-bit DAC
- **0478** Triple 8-bit DAC

Package
- **PL** 44-pin PLCC
- **PJ** 32-pin PLCC
- **CN** Plastic DIP, 600 mil
- **CP** Skinny DIP, 300 mil

RAM DAC

Prefix	Device	Suffix
KDA	XXXX	XX –XX

Type
Package
Speed

FIFO

Prefix	Device	Suffix
KM 75C	XX	X X X –XX

CMOS
Organization
Revision

SANYO

Designation
- **LA** Bipolar Linear
- **LB** Bipolar - Digital
- **LC** CMOS
- **LV** BiCMOS
- **LE** MNMOS
- **LM** PNOS, NMOS
- **STK** Thick Film

Prefix	Device
LA	1230

SARATOGA SEMICONDUCTOR

- **SS** Saratoga

Family
- **M** Memory
- **L** Logic
- **B** Module

Package
- **A** Plastic Pin Grid Array
- **B** Ceramic Pin Grid Array
- **C** Ceramic DIP
- **D** Plastic SOIC (Gull Wing)
- **E** Plastic SOJ (J Lead)
- **F** Ceramic Flat Pack
- **G** Plastic DIP Module
- **H** Plastic SIP Module
- **J** PLCC
- **L** Ceramic LCC
- **P** Plastic DIP
- **S** Sidebrazed DIP
- **X** Die
- **Z** Plastic ZIP Module

Temperature Range
- **C** Commercial
- **M** Military
- **B** MIL-STD 883C Method 5004 Class B

Prefix	Device	Suffix
SSL	7201A–	20 P 3 C

Family
Speed
Package
Package Width (Optional)
Temperature and Screening

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

SEEQ

Temperature Range
- **Q** For Commercial Temperature 0°C to +70°C
- **E** For Extended Temperature –40°C to +85°C
- **M** For Military Temperature –55°C to +125°C

MIL-STD-883
Level B Processing
Read access time of memory devices (ns)

Package
- **D** Ceramic
- **L** Leadless Chip Carrier
- **P** Plastic DIP
- **N** Plastic Leaded Chip Carrier
- **F** Hermetic Flatpack

Prefix	Device	Suffix
D Q	2816	350 B

Package Type
Temperature Range
Read Access Time of Memory Devices (ns)
MIL-STD-833 Level B Processing

SEMTECH CORPUS CHRISTIE SCC

Prefix
- **L** Overvoltage regulator
- **LAS** IC

Package
- **P** Plastic
- **S** Surface Mount
- **L** Ceramic DIP

SGS–THOMSON MICROELECTRONICS

Family
- **M27** EPROM
- **M93** EEPROM

Package
- **B** Plastic
- **D** Ceramic Multilayer
- **F** Ceramic Frit Seal
- **M** SO-8 Plastic

Memory Devices

Prefix	Device	Suffix
MXXX	XXXXX	XX X X

Family
Speed
Package
Temperature

Family
- **ET21** Static RAM
- **ETL21** Static RAM
- **ETC27** EPROM
- **MK41** Fast Static RAM
- **MK45** Biport FIFO
- **MK48** Static RAM
- **TS27** EPROM
- **TS28** EEPROM
- **TS59** EEPROM

Temperature
- **—** NMOS
- **C** CMOS
- **L** Low Power

Package
- **C** Ceramic DIL
- **J** Ceramic DIL
- **N** Plastic DIL
- **Q** UV Window Cerdip

Temperature
- **—** 0°C to 70°C
- **E** –25°C to 70°C
- **V** –40°C to 85°C
- **M** –55°C to 125°C

Quality Level
- **—** Standard
- **B/B** MIL-STD-883B Class B

Prefix	Device	Suffix
XX X	XXXX	X XX X XX

Family
Technology
Package
Speed
Temperature
Quality Level

Family
- **Z8000** CPU
- **Z8500** Peripherals

Speed
- **—** 4 MHz
- **A** 6 MHz

Package
- **B** Plastic
- **D** Ceramic
- **F** Frit Seal
- **C** Leaded Plastic Chip Carrier
- **K** Leadless Ceramic Chip Carrier

Temperature
- **1** 0 to 70°C
- **6** –40°C to 85°C
- **2** –55°C to 125°C

Prefix	Device	Suffix
Z	80XX	X X X

Speed
Package
Temperature

Family
- **Z86XXX** Microcomputer
- **Z84XXX** Microcoprocessor

Speed (Z86XXX)
- **—** 8 MHz
- **A** 12 MHz

Speed (Z84XXX)
- **—** 2.5 MHz
- **A** 4 MHz
- **B** 6 MHz
- **H** 8 MHz

Package
- **B** Plastic
- **D** Ceramic
- **F** Frit Seal
- **C** Leaded Plastic Chip Carrier
- **K** Leadless Ceramic Chip Carrier

Prefix	Device	Suffix
Z	86XXX	X X X

Speed
Package
Temperature

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

SGS–THOMSON MICROELECTRONICS (continued)

Temperature
- **1** 0 to 70°C
- **6** –40°C to 85°C
- **2** –55°C to 125°C

Prefix	Device	Suffix
Z	84XXX	X X X

Speed
Package
Temperature

Family
- **EF68XX** Microprocessor
- **TS68XXX** Microprocessor & CRT Controllers
- **EF68XX** Peripherals
- **MK68XXX** Peripherals & Data Comm
- **MK38XX** MCU Peripherals
- **EF93XX** CRT Controller
- **TS689XX** DSP

Package
- **C** Ceramic DIL
- **E** CLCC
- **J** Cerdip
- **FN** PLCC
- **P** Plastic DIL
- **R** Pin Grid Array

Temperature
- **L*** 0°C to 70°C
- **V** –40°C to 85°C
- **M** –55°C to 125°C

*May be omitted

Quality Level
- **—** Standard
- **B/B** MIL-STD-883B Class C
- **B/C** MIL-STD-883C Class B

Prefix	Device	Suffix
XX X	XXXXX	X X XX

Technology
Package
Temperature
Quality Level

Family
- **MK** Standard Product
- **MKJ** MIL-M-38510
- **MKB** MIL-STD-883B
- **MKX** MIL-Hi-Rel Screening to Customers SCD
- **MKI** Ind. Hi-Rel Screening for –40°C to 85°C

Package
- **P** Gold Side-Brazed Ceramic DIP
- **J** Cerdip
- **N** Epoxy DIP
- **K** Tin-Side-Brazed Ceramic DIP
- **T** Ceramic DIP/Transparent Lid
- **E** Ceramic Leadless Chip Carrier
- **D** Dual Density RAM-PAC
- **F** Flat Pack

Prefix	Device	Suffix
MKX	XXXXX	X XX

Package
Dash No.

INMOS

Type
- **1** Static RAM
- **2** Dynamic RAM

Size (2^n) K
- **4** = 16K
- **5** = 32K
- **6** = 64K
- etc...

Organization (2^n) Bits
- **0** = x 1
- **1** = x 2
- **2** = x 4
- etc...

Option
- **0** Standard
- **I** Optional Function

Package
- **S** Ceramic DIP
- **K** Ceramic DIP, Solder Dipped
- **W** Ceramic LCC
- **N** Ceramic LCC, Solder Dipped
- **P** Plastic DIP

Speed
- **45** — 45ns Access Time
- **55** — 55ns Access Time
- **12** — 120ns Access Time
- etc...

Screening
- **(Blank)** Commercial
- **M** MIL-883C
- **E** Extended Temperature
- **L** Low Power

Prefix	Device	Suffix
IMS	1420	S 45 M

Company
Type
Size
Organization
Option
Package
Speed
Screening

SIEMENS

Prefixes assigned by the European Association "PRO ELECTRON". (See PRO ELECTRON)

Prefix	Device
SDA	5010
TDA	2030
UAA	170

SIERRA

Temperature Range
- **C** Commercial 0 to +70 deg. C
- **E** Extended –40 to +85 deg. C

Package Type
- **N** Molded dual in-line
- **J** Cerdip
- **D** Ceramic
- **V** PLCC
- **M** SOIC
- **P** PGA

Prefix	Device	Suffix
SC	12345	A B 1

Sierra
Part No.
Temperature Range
Package Type
Speed Selection

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

SIGNAL PROCESSING TECHNOLOGIES

Family
- **ADC** Analog to Digital Converter
- **CMP** Comparator
- **DAC** Digital to Analog Converter
- **SCF** Switched Capacitor Filter
- **SPT** New SPT Products

Electrical Grade
- **A, B, C** Increasing Grade
- **S** Single Grade

Temperature
- **M** –55°C to 125°C
- **I** –25°C to 85°C
- **C** 0 to 70°C

Package
- **J** Ceramic Side Brazed
- **D** Cerdip
- **C** Leadless Chip Carrier
- **G** Pin Grid Array
- **N** Plastic DIP
- **U** Die
- **P** Plastic Leaded Chip Carrier

Options/Screening
- **H** Standard Hi-Rel Screening
- **E** Compliant to /883 Standards

Prefix	Device	Suffix
HDAC	97000	S I D /H

Family
Electrical Grade
Temperature Range
Package
Options/Screening

SIGNETICS

Signetics

PHILIPS

Temperature
- **N** 0°C to 70°C
- **S** –55°C to +125°C
- **NE** 0°C to +70°C
- **SA** –40°C to +85°C
- **SE** –55°C to +125°C
- **55** –55°C to +125°C
- **75** 0°C to +70°C
- **MC** Alternate Source to Motorola
- **µA** Alternate Source to Fairchild
- **AM** Alternate Source to AMD

Device Family
- **DAC** D/A Converter
- **HEF** LOCMOS Family
- **JB** Mil Rel—Jan—Old Desig.
- **JM** Mil Rel—Jan—New Desg.
- **LF, LH** Linear Industry Standard
- **LM, MC** Linear Industry Standard
- **MB, MJ** CMOS
- **OM** Linear Industry Standard
- **PCD, PCE** CMOS
- **SAA, SAB** Digital Industry Standard
- **SAF** Digital Industry Standard
- **TBA, TCC** Linear Industry Standard
- **TDA, TDB** Linear Industry Standard
- **TEA** Linear Industry Standard
- **UA** Linear Industry Standard
- **SCN** Microprocessor N Channel
- **SCC** Microprocessor CMOS

Package
- **A** Plastic Leaded Chip Carriers
- **B** Plastic Quad Flat Pack
- **C** Chips
- **D** Plastic SO Packages
- **E** Hermetic TO46
- **F** Hermetic Cerdip
- **G** Hermetic Chip Carriers – Leadless
- **H** Headers
- **I** Hermetic Ceramic DIP
- **K** Hermetic Ceramic Cerquad
- **L** Hermetic Leaded Chip Carrier
- **M** Module, Memories Programmer, Misc.
- **N** Plastic DIL
- **P** Pin Grid Array – Hermetic (PA=Cavity Up, PB=Cavity Down)
- **Q** Hermetic Ceramic Flat Pack
- **S** Microprocessors/Systems
- **U** Plastic SIL
- **W** Hermetic Cerpac
- **Y** Hermetic Chip Carrier – Leaded Square (Cerpac)
- **TA** 8-Lead TO-5 can
- **Y** 24-Pin Ceramic Square Flat-pack with Radial Leads
- **W** 10, 14, 16, 24-Lead CERPAC

Prefix	Device	Suffix
	74123	N
N	8X02	N

Temperature Range
Package

SILICON GENERAL

SG

SILICON GENERAL

- **SG** Silicon General

LINEAR ICs Characteristics
- **A or B** Improved Electrical Specifications
- **C** Reduced Temperature Range

Package
- **M** 8 Pin DIL Plastic
- **N** 14, 16, 18, 20, 22, 24, 28, 40 Pin DIL Plastic
- **W** 16 Pin Batwing DIL Plastic
- **D** 8, 14, 16 Pin DIL S.O.I.C. Plastic
- **DM** 8 Pin DIL S.O.I.C. Plastic
- **DW** 16, 18, 20 Pin DIL S.O.I.C. Plastic (Wide Body)
- **DWW** 20 Pin Batwing DIL S.O.I.C. Plastic
- **R** Metal Can TO-66
- **K** Metal Can TO-3
- **P** 3, 5, Pin TO-220 Plastic
- **V** 3 Pin TO-247 SIP Plastic
- **S** 12 Pin SIP Plastic
- **ST** 12 Pin SIP Plastic (Metal Tab)
- **Z** 2 Pin TO46 Metal Can or 3 Pin TO52 Metal Can
- **Q** 20, 28 Pin Leadless Chip Carrier—Plastic

Prefix	Device	Suffix
SG	1524	J

Characteristics
Package

Prefix	Device	Suffix
SM	645	HR 1 K

Construction/ Screening
Particle Control Available only with HR Construction
Package

PART NUMBER GUIDE

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

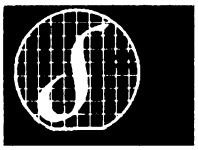
SILICON GENERAL (continued)

Suffix

- **Y** 8 Pin DIL Ceramic
- **J** 14, 16, 18 Pin DIL Ceramic
- **H** 14, 16, 18 Pin DIL Ceramic Side Brazed
- **F** 10, 14, 16, 24 Pin DIL Ceramic (CERPAC)
- **L** 20 Pin Leadless Chip Carrier Ceramic (LCC)
- **T** 3, 8, 10, 12 Pin TO-5 Metal Can
- **K** 3, 4 Pin TO-3 Metal Can
- **R** 3, 4, 5, 9 Pin TO-66 Metal Can
- **G** 3, 5 Pin Hermetic TO-257 Non-Isolated
- **IG** 3, 5 Pin Hermetic TO-257 Isolated

Power Hybrid Circuits
- **SM** Thick Film Hybrid

SILICON SYSTEMS INCORPORATED



SSI Family Silicon Systems
- **32B** HDD Interface
- **32C** HDD Controller
- **32D** HDD Data Recovery
- **32F** Electronic Filter
- **32H** HDD Head Positioning
- **32M** HDD Motor Speed Controller
- **32P** HDD Pulse Detection
- **32R** HDD Read/Write Amp
- **34B** FDD Interface
- **34D** FDD Data Recovery
- **34P** FDD Pulse Detection
- **34R** FDD Read/Write Amp
- **35P** Tape Drive Pulse Detection
- **73D** Modem Device Set
- **73K** K-Series Modem
- **73M** Modem/Modem Support
- **75T** Tone Signaling
- **78P** Digital Telecom
- **78A** Analog Telecom
- **78Q** LAN Products

Temperature Range (0)
- **C** Commercial (0°C to +70°C)
- **I** Industrial (–40°C to +85°C)

Package Type (R)
- **C** Side-brazed Ceramic
- **F** Flat Pack
- **G** QFP
- **H** PLCC
- **P** Plastic DIP
- **T** Metal Can
- **S** Plastic, Skinny DIP
- **N** Small Outline, Narrow (150 mil)
- **L** Small Outline, Wide (300 mil)
- **W** Small Outline, Wide (400 mil)
- **M** Small Outline, Large (31.6 mil)
- **MS** Shrink Small Outline (200 mil) Fine Pitch
- **V** Very Small Outline (220 mil) Fine Pitch (0.65 mil)

Release Level (0) (Revision)
A Through E

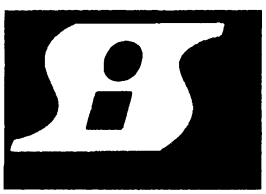
Modifiers (0)
- **J** Burn-In (168 Hours)
- **K** Burn-In (48 Hours)
- **LJ** Low Noise Burn-In (168 Hours)
- **L** Low Power
- **LN** Low Noise
- **LQ** Low Noise, Resistor, Mirror Image
- **LR** Low Noise, Resonator
- **M** Mirror Image
- **S** Serial Version
- **SL** Low Power Serial
- **R** Damping Resistor
- **RM** Resistor, Mirror Image
- **U** On-Chip UART

Cannot Use A Through E in Left Position

Prefix	Device	Suffix
32R	510A	XX –6 C F

Family
Release Level
Modifiers
No. of Channels
Temperature
Package

SILICONIX



Description (1 or 2 letters)
- **D** Drivers
- **DF** Digital Function
- **DG** Analog Switches and Multiplexers
- **G** Multi-Channel FETs
- **L** Linear
- **LD** Linear Digital Communications
- **SD** Siliconix DMOS Product
- **SI** Siliconix Proprietary or Second Source Parts
- **SM** MOS Power

Operating Temperature Range –ICs (1 Letter)
- **A** –55°C to +125°C
- **B** –20°C to + 85°C
- **C** 0°C to + 70°C
- **D** –40°C to + 85°C

B and D temperature range parts receive industrial processing unless a process option dash number is added

Packages (1 Letter)
- **A** Metal Can—Hermetic
- **J** Dual-In-Line Package—Plastic
- **K** Dual-In-Line Package—CERDIP
- **L** Flat Package
- **M** CLCC
- **N** PLCC
- **P** Dual-In-Line Package—Side Braze—Hermetic
- **R** Dual-In-Line Package—Side Braze—Hermetic
- **Y** Small Outline Package

ICs

Prefix	Device	Suffix
DG	187	A P /883
DG	303	A B K (–4)
DG	506	A C J

Family
Device Revision
Operating Temperature Range
Package

Manufacturer Device Identification	Part Number Prefix	Suffix

SILICONIX (continued)

Process Option
- **/883** MIL-STD-883, Class B Compliant—Non JAN
- **–2** Non Compliant—Non JAN
- **(–4)** 160 Hour Burn-In
- **/BS** BS9000 Compliant

Packages—MOSPOWER
- **C** Chip
- **M** TO-3
- **P** TO-220
- **V** 4 pin DIP
- **W** TO-247

MOSPOWER

Prefix	Device	Suffix
V N	6 7	A B

- Vertical MOSPOWER
- Substrate
- Voltage (x 10)
- Selection
- Geometry
- Package

SIMTEK

STK Simtek

Part Type
- **28** EEPROM
- **1X** NVSRAM

Process
- **C** CMOS

Density/Organization
- **256** 32K x 8
- **010** 128K x 8
- **1024** 64K x 16
- **68** 8K x 8
- **81** 256K x 1
- **88** 32K x 8
- **89** 32K x 9

Package
- **C** Sidebraze DIP
- **F** Flatpack
- **J** SOJ
- **K** Solder Sidebraze DIP
- **L** CLCC
- **N** PLCC
- **P** PDIP
- **W** Solder CLCC

Endurance/Retention
- **—** 10^4 cycles/10 year
- **1** 10^4 cycles/1 year
- **5** 10^5 cycles/10 year

Temperature Range
- **—** 0°C to 70°C
- **M** –55°C to 125°C
- **I** –40°C to 85°C

Prefix	Device	Suffix
STK	10 C 68	–1 C 55 –M

- Type
- Process
- Density/ Organization
- Endurance/ Retention
- Package
- Speed
- Temperature Range

SIPEX

Family
- **ADC94** Commercial Analog to Digital Converter
- **DAC3** Digital to Analog Converter
- **DAC93** Commercial Digtial to Analog Converter
- **HS5** Analog to Digital Converter
- **R6** Precision Voltage Reference
- **HS97** Sample/Hold
- **HS95** A/D Converter
- **HS93** D/A Converter

Processing
- **C** Commercial Industrial Use
- **B** Per MIL-STD883B, Class B

Resolution
- **8** 8-Bits Binary
- **10** 10-Bits Binary
- **11** 11-Bits Binary
- **12** 12-Bits Binary
- **14** 14-Bits Binary
- **16** 16-Bits Binary
- **18** 18-Bits Binary
- **2D** 2-Decade BCD
- **3D** 3-Decade BCD
- **4D** 4-Decade BCD

Prefix	Device	Suffix
DAC3	31	C –14

- Processing
- Resolution

S–MOS SYSTEMS

(Current Logo)

(Product Marketing)

Family
- **CI** Converter IC
- **EA** Sensor array
- **ED** Display driver
- **LA** Logic array
- **MC** Microcontrollers and peripherals
- **MM** Masked ROM
- **PM** Programmable memories
- **RM** Static RAM
- **SC** Standard Cell
- **TC** Telecom IC
- **VM** Melody IC

Package
- **C** Plastic DIP
- **D** Die form
- **F** Quad flat package
- **H** Ceramic DIP
- **J** Plastic leaded chip carrier
- **M** Small outline package (SOP)
- **N** Skinny DIP
- **S** Shrink DIP

Prefix	Device	Suffix
SRM	2016	C 15

- Family
- Package
- Speed (15=150 ns)

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

SOLITRON

CM CMOS
UC4xxx Linear
UC6xxx PMOS Memory (discontinued)
UC7xxx PMOS Memory (discontinued)

Process (CMOS)
(None) Limited Operating Voltage Range
A 3-15 Volt Operating Voltage
B 3-18 Volt Operating Voltage

Package Style, Temperature Range (CMOS)
D Ceramic DIP, –55°C to 125°C
E Epoxy DIP, –40°C to 85°C
F CerDIP (FritSeal) –55°C to 125°C
H Uncased Die
K Flatpack, –55°C to 125°C

Package Style, Temperature Range (Linear)
(None) TO-99, –65°C to 125°C
C TO-99, 0°C to 70°C
CE 8 lead MINI DIP, 0°C to 70°C
ID Uncased Die

Prefix	Device	Suffix
CM	4000	AD

Package/Temperature

SONY

CX Sony
BX Hybrid IC

Category
A Bipolar
B Bipolar, Digital
D MOS Logic
K Memory
P,Q Microcomputer
L PCD Signal Processor

Package
B 5mm x 3mm x 3mm, block shape
Ceramic Ceramic Cross Package
DIP Dual Inline Package
FQFP Metal Quad Flat Package
LCC Leadless Chip Carrier
PLCC Plastic Leadless Chip Carrier
QFP Quad Flat Package
SDIP Shrink Dual Inline Package
SOP Small Outline Package
SOJ Small Outline J-Lead Package
TO-92 Cylindrical Mold Package with 3 pins
TSOP Thin Small Outline Package
W TO-3 package
U 9mm diameter, slanted glass cap
U* 5.6mm diameter, slanted glass cap
V 9mm diameter, flat glass cap
VR V package with a lens and a FC type connector
XR XT package with a lens and a FC type connector
WT TO-3 package with a built-in TE cooler
XT Flat package with a built-in TE cooler

Prefix	Device	Suffix
CXA	1001	AP

Category
Improvement
Package

STANDARD MICROSYSTEMS

Family
COM Data Communications
CRT CRT Display
HDC Hard Disk
MPU Microprocessor
HYC Hybrid Communications
MSD Mass Storage Devices
FDC Floppy Disk Controller

Functional Options
T TTL Clock Input
H High Speed
ST ROM
STD Program Options
PRO See Catalog
HR MIL-STD-883 Level B Equivalent
BI Burned-In
A, B, C Speed

Program Options
X or XXX Specifies Mask Program

Package
No Letter Ceramic **CD** Cedip
P Plastic
LJ Plastic Leaded Chip Carrier
LL Leadless Ceramic Chip Carrier
FA Quad Package—Straight Lead
GA Quad Package—Gull Lead

Prefix	Device	Suffix
COM	5016	TXP

Family
Function
Program Option
Package

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

STC SEMICONDUCTORS

Family

CRT	Video Display Circuits
DSP	Miscellaneous Digital Signal Processing Products
SCA	Analog to Digital Converters
SCC	Comparators
SCD	Digital to Analog Converters
SCS	Sample-and-Hold Devices
SFA	Fiber Optic Amplifiers
SFD	Fiber Optic Drivers
SLM	Multiplexers
SLS	Shift Registers
SMF	FIFOs
STC	Memory Products and Miscellaneous
TEL	Telecomm Products
VAX	VersArray™ Products

Screening Level/Temperature Range

B	BS9000
I	Industrial Temperature Range
M	MIL-STD-883C screened
—	Commercial Temperature Range

Package

C	Chip Carrier
D	Cerdip (frit-sealed DIL)
J	Sidebrazed seramic DIL
N	Plastic DIL
Sx	Skinny (0.3" wide)

Prefix	Device	Suffix
STC	6117M	70 J

Family
Screening Level/ Temperature Range
Speed Grade
Package Style

TECHNITROL, INC.

Family
MEDM 2

Prefix	Device	Suffix
MEDM 2	100	M Y

Frequency 10MHz
Military
Special Testing

TELEDYNE COMPONENTS

Description

1000 Series	Operational Amplifer, Module
2200 Series	Power Supply, AC Input, PC Mount
2300 Series	Power Supply, DC Input, PC Mount
2400 Series	Power Supply, AC Input, Chassis Mount
4000 Series	Digital to Analog Converters
4100 Series	Analog to Digital Converters
4700 Series	Voltage to Frequency and Frequency to Voltage Converters
4800 Series	Sample-Hold Amplifiers

Temperature

C	0°C to 70°C
M	–55°C to 125°C
I	–25°C to +85°C

Package Types

A	TO–40
B	Plastic Flatpack
D	MO–078AA
H	Side-Braze Cerdip
I	TO–220 (Isolated)
J	Cerdip
K	Plastic Gullwing Quad Flat
L	PLCC
M	SOT89
N	LCC
O	SOIC
P	Plastic DIP
R	TO–52
S	Plastic Flat Pack
T	TO-99
V	8-Pin Can
Y	Dice
Z	TO–92

Device	Suffix
TSC7109	C P

Temperature
Package

TELEFUNKEN

Note:
ICs are marked **TFK**

Prefixes Assigned by the European Association "PRO ELECTRON" (See Pro Electron)
Proprietary Devices

U	Integrated Circuits

B	Bipolar
M	MOS

Prefix	Device	Suffix
U	113	B

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

TEXAS INSTRUMENTS

AC Advanced Bipolar Circuits
SBP Bipolar Microprocessor
SMJ NOS Memory and Microprocessor 883B
SN Standard Circuit
SNJ Standard Circuit: 883B, JEDEC Std 101
TAC CMOS Logic Array
TAL Low-Power Schottky TTL Logic Array
TAT STL Logic Array
TL Linear Circuit
TLC LinCMOS™ Circuit
TIEF Transimpedance Amplifiers
TIES Infrared Source
TIFPLA Bipolar Field Programmable Logic Array
TIBPAL Bipolar Programmable Logic Array
FP Rect. Chip Carrier for DRAMs
TMS MOS Memory/Microprocessor In-Line Package Memory Module
TBP Bipolar Memory
TC CCD Imager
TCM Telecommunications IC
TIED Infrared Detector
TIL Optoelectronic Circuit
VM Voice Memory Circuit
JANB JM8510—Qualified Circuits, Level B
JBP Bipolar PROM: 883C, JEDEC Std 101

Package

JT Ceramic DIP, 24-Pin, 300-mil
J, JG Ceramic DIP
JD Side braze ceramic DIP
KA, KC, KD, KF Plastic power tab
LP Plastic 3-lead
N, NE Plastic DIP
N Plastic DIP
T Metal Flat Pack
WA, W Ceramic Flat Pack
NT Plastic DIP, 24 pin 300 mil
U Ceramic Flat Pack
NF Plastic DIP, 28 pin 400 mil
FH Ceramic Single Layer Sq. Chip Carrier JEDEC
FN Plastic Single Layer Sq. Chip Carrier
FK Multi-Layer Sq. Chip Carrier JEDEC Standard
FE Multi-Layer Rect. Chip Carrier
WC Ceramic Flat Pack
FG Multlayer Rect. Chip Carrier JEDEC Standard
D Small-outline Package, 150 mil
DW Small-outline Package, 300 mil
FM Rect. Chip Carrier for DRAMs
DJ Small-outline Package
J-Lead Package, Memory
Low-power TTL
Low-power Schottky TTL
Schottky TTL
Standard Interface Circuits
Advanced Schottky TTL
High Speed CMOS
Advanced Low-power Schottky TTL
Advanced Circuits

Prefix	Device	Suffix
SN 74	S188	J

Description
Temperature Range
Package

Prefix	Device	Suffix
TMS	4256	–15 N L

Speed
Package
Temperature Range

Temperature (Most Devices) Digital & Interface Prefixes

Series	
–55°C to 125°C	0°C to 70°C
54	**74**
54H	**74H**
54L	
54LS	**74LS**
54S	**74S**
55	75
54AS	**74AS**
54HS/54HCT	**74HC/74HCT***
54ALS	**74ALS**
54F	**74F**
54BCT	**74BCT**

*–40° to 85°C

Bipolar Suffixes
C 0°C to 70°C
E –40°C to 85°C
I –25°C to 85°C or
***** –40°C to 85°C
M –55°C to 125°C

MOS Suffixes
L 0°C to 70°C
M –55°C to 125°C
E –40°C to 85°C
S Special Range
— 0°C to 70°C

Speed (MOS only)
— 15 150 ns Max. Access
— 17 170 ns Max. Access
— 20 200 ns Max. Access
— 25 250 ns Max. Access
— 35 350 ns Max. Access
— 45 450 ns Max. Access
— 2 200 ns Max. Access
— 3 350 ns Max. Access
— 4 450 ns Max. Access

THALER

Family
ADC Analog to Digital Converter
DAC Digital to Analog Converter
IRE Current Reference
VRE Voltage Reference
SWR Sine Wave Reference

Temperature Range
C –25°C to 85°C
M –55°C to 125°C

Package
— Dual-in-Line, Ceramic
F Flatpack, Metal

Prefix	Device	Suffix
VRE	102	M A F –3

Family
Temperature Range
Electrical Grade
Package
Custom Marking

THIRD DOMAIN

Temperature Range
C Commercial 0°C to 70°C
M Military –25°C to 150°C

Package
D Ceramic DIP
N Plastic DIP

Prefix	Device	Suffix
RSS	100A	C D

Temperature
Package

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

TOSHIBA

TOSHIBA

Memory
Family
TMM NMOS Memory
TC CMOS Memory

Process
2 NMOS SRAM or Non-volatile
4 NMOS DRAM
5 CMOS Memory

Type
0 NMOS SRAM
1 DRAM
2 VDRAM
3 MROM
4 OTP
5 CMOS SRAM
7 UV EPROM
8 FEEPROM

Organization or Density
Examples:
TC5564 64K, CMOS
TC5565 64K, MIX MOS
TC11000 1 MBx1
TC511000 Fast Page
TC511001 Nibble Mode
TC511002 Static Column
TCSSB416 16 x 4 BiCMOS

Package
C Ceramic
D Cerdip
P Plastic
F Flat Pack
FT Normal TSOP
TR Reverse TSOP
J Plastic SOJ
T PLCC
Z ZIP

Special Designator
I Industrial –40°C to 85°C
L Low Power

Speed (Example)
85 85 ns
10 100 ns

Memory Components

Prefix	Device	Suffix
TMM 1 2	3456	A P L 10 L

Family
Process
Type
Organization or Density
Die Revision
Package
Special Designator
Speed
Low-Low Power

Memory Modules
Family
THM Memory Module
— DRAM
S SRAM
V Video RAM
P EPROM
M MROM
T OTP
E EEPROM
U Pseudo SRAM

Bit
8 8 bit
9 9 bit
18 18 bit
32 32 bit
36 36 bit
40 40 bit

Word
10 1M word
20 2M word
51 512K
25 256K

Assembly Method
Odd Single Side
Even Double Side

Function
0 Standard
0 Fast Page
1 Nibble
2 Static Column

Pin Type
S Socket
L Pin
Z Zig Zag Inline

Speed (Example)
85 85 ns
10 100 ns

Memory Module

Prefix	Device	Suffix
THM X	XX XX	X X X XX

Family
Bit
Word
Assembly Method
Function
Pin Type
Speed

Microprocessors
TMP Microprocessor Microcontroller
TC CMOS Peripheral Controller

Logic
TC CMOS
TD BiCMOS

Package
P Plastic DIP
F Flat Pack
T PLCC
N Shrink DIP
P Plastic DIP
FN 150 mil SOIC
F 200 mil SOIC
FW 300 mil SOIC

Microcontroller

Prefix	Device	Suffix
TMP 47 C	2 20	A E –X

Toshiba
Family
CMOS
ROM Size or Function or Configuration
Special Feature ID or Function
Die Revision
Package
Speed

Logic

Prefix	Device	Suffix
TC	74HC	04 A FN

JEDEC Type Class
Function
Die Revision
Package

PART NUMBER GUIDE

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

TRANSWITCH

Package
- **A** Ceramic
- **B** Plastic

Burn-In Option
- **A** Standard, No Burn-In
- **B** Burn-In, 96 hours, 125°C

Prefix	Device	Suffix
TXC	03001	A X X X

Part Variant
Package
Burn-in Option

TRW LSI PRODUCTS

Family
- **MPY** Triple Diffused Bipolar Multipliers
- **TDC** TRW Triple Diffused Bipolar Catalog
- **TMC** TRW CMOS Catalog Products
- **THC** TRW Hybrid I.C.'s
- **TAC** TRW Board Products

Screening and Temperature
- **A** ETR/High Reliability
- **B** Industrial, T_C = –25°C to 85°C
- **C** Commercial, T_A = –55°C to
- **V** 883C compliant T_C = –55°C 125°C

Note: See individual data sheets for specified temperature ranges for each product.

Package
- **A1** 68 Contact Hermetic Ceramic Leadless Chip Carrier
- **B2** 24 Pin CERDIP (0.3 in.)
- **B5** 40 Pin CERDIP
- **B6** 28 Pin CERDIP
- **B7** 24 Pin CERDIP
- **B8** 18 Pin CERDIP
- **B9** 16 Pin CERDIP
- **C1** 68 Contact Hermetic Ceramic Leadless Chip Carrier
- **C2** 44 Contact Hermetic Ceramic Leadless Chip Carrier
- **C3** 28 Contact Hermetic Ceramic Leadless Chip Carrier
- **E1** Printed Circuit Board, Eurocard Format (100mm x 160mm)
- **G0** 68 Pin Ceramic Grid Array (cavity down with heatsink)
- **G5** 88 Pin Ceramic Grid Array
- **G8** 68 Pin Ceramic Grid Array
- **H5** 120 Pin Plastic Grid Array
- **H7** 88 Pin Plastic Grid Array
- **H8** 68 Pin Plastic Grid Array
- **J0** 64 Pin Hermetic Ceramic DIP (without Heat Sink, lid up)
- **J1** 64 Pin Hermetic Ceramic DIP (with Flat Heat Sink)
- **J3** 64 Pin Hermetic Ceramic DIP (without Heat Sink, lid down)
- **J4** 48 Pin Hermetic Ceramic DIP
- **J5** 40 Pin Hermetic Ceramic DIP
- **J6** 28 Pin Hermetic Ceramic DIP
- **J7** 24 Pin Hermetic Ceramic DIP
- **J8** 18 Pin Hermetic Ceramic DIP
- **J9** 16 Pin Hermetic Ceramic DIP
- **L1** 68 Lead Hermetic Ceramic Leaded Chip Carrier
- **L3** 84 Lead Hermetic Ceramic Leaded Chip Carrier (0.025 in. pitch)
- **L5** 132 Lead CERQUAD
- **L6** 100 Lead CERQUAD
- **M3** 20 Lead Small Outline IC (SOIC)
- **M7** 24 Lead Small Outline IC (SOIC)
- **M9** 16 Lead Small Outline IC (SOIC)
- **ME** 14 Lead Small Outline IC (SOIC)
- **MH** 8 Lead Small Outline IC (SOIC)
- **N0** 64 Pin Plastic DIP
- **N1** 20 Pin Plastic DIP
- **N2** 24 Pin Plastic DIP
- **N4** 48 Pin Plastic DIP
- **N5** 40 Pin Plastic DIP
- **N6** 28 Pin Plastic DIP
- **N7** 24 Pin Plastic DIP
- **N8** 18 Pin Plastic DIP
- **N9** 16 Pin Plastic DIP
- **NH** 8 Pin Plastic DIP
- **P1** Printed Circuit Board, Standard Format (4.5 in.x 5.5 in.)
- **P3** Printed Circuit Board, 5 in. x 7 in.
- **R0** 84 Lead Plastic J-Leaded Chip Carrier
- **R1** 68 Lead Plastic J-Leaded Chip Carrier
- **R2** 44 Lead Plastic J-Leaded Chip Carrier
- **R3** 28 Lead Plastic J-Leaded Chip Carrier
- **R4** 20 Lead Plastic J-Leaded Chip Carrier
- **R6** 32 Lead Plastic J-Leaded Chip Carrier
- **S3** 46 Pin Hermetic Metal DIP
- **S5** 32 Pin Hermetic Metal DIP
- **S6** 40 Pin Hermetic Ceramic DIP
- **S7** 24 Pin Hermetic Metal DIP
- **X1** 12 Lead to TO-8 Metal Can
- **X2** 24 Pin Ceramic DIP (0.8 in. wide)
- **Y8** 8 Lead Metal Can
- **Z3** 3 Lead TO-92-Style Molded Plastic

Prefix	Device	Suffix
TMC	2210	N0 C 1

Family
Package
Temperature Range and Screening
Electrical Variation

Manufacturer Device Identification | Part Number: Prefix | Suffix

UNITED TECHNOLOGIES MICROELECTRONICS CENTER

UNITED TECHNOLOGIES MICROELECTRONICS CENTER

Package
- **A** Ceramic Leadless Chip Carrier
- **B** Ceramic Side-Brazed, Dual Cavity Dual-In-Line
- **C** Ceramic Flatpack, Dual Cavity
- **D** Ceramic Flatpack, Dual Cavity (100 mil-lead centers)
- **G** Ceramic Pingrid Array
- **P** Ceramic Side-Brazed, Dual-In-Line
- **W** Ceramic Flatpack

Manufacturing Flow
- **S** Level S processing to select methods of 5004 and Group A of Method 5005
- **B** Class B (Compliant non-JAN)
- **A** Level B 5004 screened (Does not include Method 5005.)
- **C** Modified high-reliability flow (–55°C to 125°C. Not available with radiation hardening.)
- **P** Prototype (Not available with radiation hardneing. Lead finish is at factory discretion.)

Prefix	Device	Suffix
UT	1553BRTI	G A

Package
Processing

VITELIC

- **V** Vitelic

Family
- **6X** SRAM
- **5X** DRAM
- **63** Cache Related SRAM

VITELIC

Package
- **F** SOIC (mini-Flat Pack)
- **G** Ceramic LCC
- **J** Plastic LCC
- **K** SOJ
- **P** Plastic DIP
- **S** Skinny DIP
- **Z** Zip

Temperature Range
- **—** 0°C to 70°C
- **I** –40°C to 85°C

Prefix	Device	Suffix
V	61C16	P 70 L I

Family
Package
Speed
Low Power
Temperature Range

VITESSE SEMICONDUCTOR

- **VS** Vitesse Semiconductor

Family
- **80XX** Standard Logic
- **12G4XX** SRAM

VITESSE SEMICONDUCTOR CORPORATION

Package
- **L** Leadless Chip Carrier
- **F** Leaded Chip Carrier
- **D** Ceramic DIP

Temperature Range
- **C** Commercial
- **I** Industrial (–40°C to 85°C)
- **M** Military (–55°C to 125°C)

Prefix	Device	Suffix
VS	80XX	L I

Family
Package
Temperature

Prefix	Device	Suffix
VS	12G4XX	L C –5

Family
Package
Temperature Range
Speed Option

VLSI TECHNOLOGY

VLSI TECHNOLOGY, INC.

- **VC** Custom
- **VF** Foundry
- **VG** Gate Array
- **VL** Logic
- **VM** Government
- **VP** Programmable Devices
- **VS** User-Designed VLSI
- **VT** Memory
- **VU** Design Center

Temperature Range
- **C** Commercial
- **I** Industrial
- **M** Military

Package
- **A** Sidebrazed Ceramic DIP (EPROM)
- **C** Sidebrazed Ceramic DIP
- **D** Cerdip
- **F** Flatpack
- **G** Ceramic Pin Grid Array
- **K** Leadless Chip Carrier (EPROM)
- **L** JEDEC Type-B Ceramic Leadless Chip Carrier
- **P** Plastic DIP
- **Q** Plastic Leaded Chip Carrier
- **T** Ceramic Leaded Chip Carrier
- **V** Die-Plated
- **W** Die in Wafer Form
- **Y** DIP on PC Board
- **Z** Chip on PC Board

Environmental Code
- **B** Mil-Std-883C, Level B
- **Blank** Standard Screening
- **I** Military-Screened
- **J** Mil-M-38510

Prefix	Device	Suffix
VC	9999999	BB P T E

Family
Package
Temperature Range
Environmental Code

Manufacturer Device Identification | Part Number: Prefix | Part Number: Suffix

VTC INCORPORATED

Additional Processing
- **B** Burn-in (168 Hrs, T_J = 150°C or Equivalent)
- **J** Screened to Class B, Mil Std 883
- **R** Rad Hard
- **None** No Additional Processing

Additional Processing
- **B** Burn-in (168 Hrs, T_J = 150°C or Equivalent)
- **J** Screened to Class B, Mil Std 883
- **R** Rad Hard
- **None** No Additional Processing

Temperature Range
- **74** Commercial (–40°C to 85°C)
- **54** Military (–55°C to 125°C)

Package
- **P** Plastic DIP
- **PS** Plastic Slimline DIP
- **S** Ceramic DIP (Cerdip)
- **DS** Ceramic Slimline DIP (Cerdip)
- **PL** Plastic Leaded Chip Carrier (PLCC)
- **DL** Ceramic Leadless Chip Carrier (LCC)
- **PO** Plastic SOIC

Temperature Range/Performance
- **A thru I** Industrial (–25°C to +85°C)
- **J thru R** Commercial (0°C to 70°C)
- **S thru Z** Military (–55°C ro +125°C)

Package
- **P** Plastic DIP
- **PS** Plastic Slimline DIP
- **D** Ceramic DIP (Cerdip)
- **J** Side Brazed Ceramic DIP
- **T** Metal Can
- **G** Pin Grdi Array
- **F** Flatpack
- **PL** Plastic Leaded Chip Carrier (PLCC)
- **DL** Ceramic Leaded Chip Carrier (LCC)
- **X** Die

CMOS Interface Logic

Prefix	Device	Suffix
V	74	ACT 240 P

V — VTC; 74 — Temperature Range; ACT — Family; 240 — Device Type; P — Package

Bipolar Products

V	A	705	D	J

V — VTC; A — Additional Processing; 705 — Family; D — Part Number; J — Package; Temperature Range/ Perfromance

WAFERSCALE INTEGRATION, INC.

Family Group
- **57CXXX** Fast EPROM, PROM & RPROM
- **59XXX** Bit Slice & Logic
- **27CXXX** Slow EPROM Memory
- **PAC** Programmable Standalone Microcontroller
- **SAM** Programmable Standalone Microsequencer

Package
- **A** Plastic Pin Grid Array
- **B** Ceramic SDBRZD DIP, 0.9"
- **C** CLLCC
- **D** Cerdip, 0.6"
- **F** Ceramic Flatpack
- **G** Ceramic Pin Grid Array
- **H** Ceramic Flatpack
- **J** PLDCC
- **K** Cerdip, 0.6"
- **L** CLDCC
- **M** Plastic DIP, 0.9"
- **P** Plastic DIP, 0.6"
- **S** Plastic Dip, 0.3"
- **T** Cerdip, 0.3"
- **W** Waffle Packed Dice
- **X** Ceramic Pin Grid Array
- **Y** Cerdip, 0.6"
- **Z** CLLCC

Temperature Range
- **Blank** Commercial
- **M** Mil Temperature
- **CB** Commercial Burned-In
- **MB** Mil Std 883B

Prefix	Device	Suffix
WS57	65261	D (Blank)

WS57 — Family; 65261 — Device Number; D — Package; (Blank) — Temperature

WESTERN DESIGN CENTER

Package
- **P** Plastic DIL, 44 pins
- **PL** Plastic Chip Carrier, 44 pins

Temperature Range
- **Blank** 0°C to +70°C
- **I** –40°C to +85°C
- **M** –55°C to +125°C

Performance
- **4** 4 MHz
- **6** 6 MHz
- **8** 8 MHz
- **10** 10 MHz
- **E** Experimental

Prefix	Device	Suffix
W	65C816	P I –4

W — Family; P — Package; I — Temperature Range; –4 — Performance

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix

WESTERN DIGITAL

Package (Obsolete)

- **A** 40 Lead DIP-Ceramic
- **B** 40 Lead DIP-Relpak
- **C** 24 Lead DIP-Ceramic
- **E** 28 Lead DIP-Ceramic
- **F** 28 Lead DIP-Relpak
- **L** 18 Lead DIP-Ceramic
- **M** 18 Lead DIP-Plastic (Totally Encapsulated)
- **P** 40 Lead DIP—Plastic (Totally Encapsulated)
- **R** 28 Lead DIP-Plastic (Totally Encapsulated)
- **T** 48 Lead DIP-Ceramic
- **U** 20 Lead DIP-Ceramic
- **V** 20 Lead DIP-Plastic (Totally Encapsulated)
- **X** Ceramic Kit
- **Y** Plastic Kit

Package (Current)

- **A** Ceramic Side Braze
- **C** Cerdip
- **P** Plastic (Encap)
- **D** Ceramic Chip Carrier-Leadless
- **G** Ceramic-Chip Carrier-Leaded
- **H** Plastic Chip Carrier-Leadless
- **J** Plastic Chip Carrier-Leaded

Lead Count

- **A** < 14 Lead
- **B** 14 Lead
- **C** 16 Lead
- **D** 18 Lead
- **E** 20 Lead
- **F** 22 Lead
- **G** 24 Lead
- **H** 28 Lead
- **L** 40 Lead
- **M** 44 Lead
- **N** 48 Lead
- **S** 64 Lead
- **T** 68 Lead
- **Z** Kit

Prefix	Device	Suffix
WD	1943	M 00

Package

Special Parameter

XICOR

- **X** Xicor

Package

- **D** Ceramic DIP
- **E** Ceramic DIP
- **H** Die
- **J** Plastic LDCC
- **P** Plastic DIP

Temperature Range

- **Blank** 0 to 70°C
- **I** –40 to 85°C
- **M** –50 to 125°C

Processing Technology

- **Blank** NMOS
- **C** CMOS

Speed

- **20** 200 ns
- **25** 250 ns
- **Blank** 300 ns
- **35** 250 ns
- **45** 450 ns

Processing Level

- **Blank** Standard
- **B** Class B

Endurance

- **Blank** 1000 Data Changes/Bit
- **/5** 5000 Data Changes/Bit
- **/10** 10000 Data Changes/Bit

E²PROMs

Prefix	Device	Suffix
X	255C256	D M B –35

Process Technology

Package

Temperature Range

Processing Level

Access Time

Serial E²PROMs

Prefix	Device	Suffix
X	25C04	D M B

Package

Temperature Range

Processing Level

NOVRAMs

Prefix	Device	Suffix
X	2212	D M B/10 –35

Package

Temperature Range

Processing Level

Endurance

Access Time

Serial NOVRAMs

Prefix	Device	Suffix
X	2444	D M /1(

Package

Temperature Range

Endurance

PART NUMBER GUIDE

Manufacturer Device Identification	Part Number Prefix	Part Number Suffix
XILINX	**XC** XILINX	**Temperature Range** **C** Commercial (0°C to 70°C) **I** Industrial (–40°C to 85°C) **M** Military (–55°C to 125°C) **B** MIL-STD-883, Class B

Prefix	Device	Suffix
XC	2064–	70 PC 68 C

Toggle Rate
Package
No. of Pins
Temperature Range

ZILOG

Z Zilog

Environmental
Preferred
- **C** Plastic Standard
- **E** Hermetic Standard
- **F** Protopack Standard

Longer Lead Time
- **A** Hermetic Stressed
- **B** 833 Class B Military
- **D** Plastic Stressed
- **J** JAN 38510 Military

Package
Preferred
- **D** Cerdip
- **P** Plastic
- **V** Plastic Chip Carrier

Longer Lead Time
- **C** Ceramic
- **F** Plastic Quad Flat Pack
- **G** Ceramic PGA (Pin Grid Array)
- **L** Ceramic LCC
- **Q** Ceramic Quad-in-Line
- **R** Protopack
- **T** Low Profile Protopack

Temperature
Preferred
- **S** 0°C to +70°C

Longer Lead Time
- **E** –40°C to +85°C
- **M** –55°C to +125°C

Prefix	Device	Suffix
Z	80320	08 V S C RXXX

Speed
Package
Temperature
Environmental Flow
ROM Mask Number

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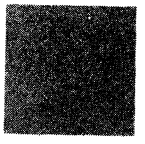

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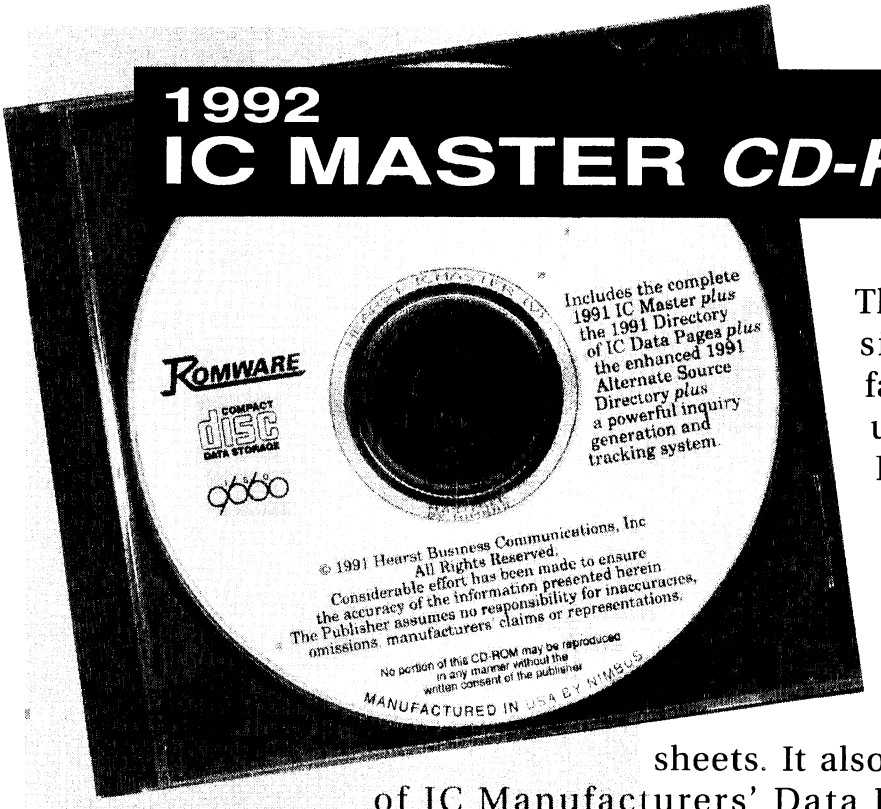

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PART NUMBER INDEX

This Index shows the page and line where each device appears in the Master Selection Guide.

The Index is arranged in alphanumeric sequence, ignoring the manufacturers' prefixes and suffixes and using the basic part numbers.

The numbers are sequenced by reading the digits from left to right, assuming that letters come before numbers. (As an example, these numbers would appear in the following order: 5301, 531, 54LS01, 54139, 555.)

After each base number, manufacturers' names and full part numbers are listed. This arrangement allows you to find a device whether or not you know the name of the manufacturer or the manufacturer's prefixes. The page references in **BOLD FACE** lead to manufacturers' data pages in Volume Three.

This is an Index of all parts with identical basic part numbers, regardless of their function. **It is not an Alternate Source Directory.**

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4071	GoldStar	GD4071B	131-22
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	National	CD4071BC	131-27
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	Micrel	CD4093B	145-50
	National	CD4093BC	145-52
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41C466	Samsung	KM41C466-07	990-50
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41H78	SGS-Thomson		
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4106	National	LH4106	760-29
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	Harris	CD54HC27	131-86
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	Harris	CD54HC273	124-71
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	Harris	CD54HC32	130-178
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	Signetics	5408	178-29
	Supertex	HV5408	584-75
	TI	SN5408	178-31
5409	Lansdale	ML5409	178-87
	National	DM5409	178-89
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	Rochester	5409	178-93
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541	Burr-Brown	OPA541AP	757-27
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			819-55
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5410	**Cirrus**	**CL-GD5410**	* **3428**
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	National	DM5410	179-55
		5410	179-57
	Signetics	NE5410	555-2
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		5410	179-60
	TI	SN5410	179-62
54100	Lansdale	ML54100	184-104
	Rochester	54100	184-106
541000	Sony	CXK541000-25	1114-28
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		TC541001A-150	962-6
54105	Rochester	54105	176-85
54107	Lansdale	ML54107	176-97
	National	DM54107	176-145
	Signetics	54107	176-152
	TI	SN54107	176-154
54109	National	DM54109	176-107
	Signetics	54109	176-110
	TI	SN54109	176-111
5411	Allegro Micro		
		SCL5411	140-15
	Rochester	5411	177-148
54111	TI	SN54111	177-4
54116	Signetics	54116	183-159
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5412	Catalyst Semi		
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	Crystal	CS5412	523-40
	GEC Plessey		
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	Gould AMI	S5412	530-44
		S5412-J1	524-14
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		S5412-K1	524-16
		S5412-K2	524-17
	Rochester	5412	179-115
	TI	SN5412	179-117
54120	Lansdale	ML54120	192-41
	TI	SN54120	192-43
54121	Lansdale	ML54121	174-3
	National	DM54121	188-136
		54121	188-137
	Rochester	54121	174-5
	Signetics	54121	188-140
	TI	SN54121	188-142
54122	Lansdale	ML54122	174-6
	National	54122	188-148
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54123	Lansdale	ML54123	174-8
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54125	National	DM54125	162-12
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	Signetics	54125	162-18
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54126	Rochester	54126	162-40
	Signetics	54126	162-42
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54128	Signetics	54128	590-43
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5413	GEC Plessey		
		MA5413	811-90
	Lansdale	ML5413	163-37
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	Signetics	5413	192-51
	STC	TEL5413	811-97
	TI	SN5413	192-52
54132	Lansdale	ML54132	180-160
	National	DM54132	192-83
	Rochester	54132	180-162
	Signetics	54132	192-87
	TI	SN54132	192-88
54136	Lansdale	ML54136	183-39
	TI	SN54136	183-41
5414	Lansdale	ML5414	163-178
	National	DM5414	192-111
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54141	Rochester	54141	583-35
54144	Rochester	54144	170-183
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54148	National	DM54148	193-17
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5415	Allegro Micro		
		SCL5415	140-6
54150	Lansdale	ML54150	188-118
	National	DM54150	188-123
		54150	188-125
	Rochester	54150	188-120
	Signetics	54150	188-128
	TI	SN54150	188-130
54151	Lansdale	ML54151	188-7
	National	DM54151A	188-24
		54151	188-26
	Rochester	54151	188-11
	Signetics	54151	188-29
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54152	Lansdale	ML54152	169-118
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54153	Lansdale	ML54153	186-14
	National	DM54153	186-17
		54153	186-19
	Signetics	54153	186-21
	TI	SN54153	186-22
54154	Lansdale	ML54154	172-51
	National	DM54154	172-53
		54154	172-56
	Rochester	54154	172-59
	Signetics	54154	172-60
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54155	Lansdale	ML54155	171-83
	National	DM54155	171-85
	Rochester	54155	171-88
	Signetics	54155	171-91
	TI	SN54155	171-93
54156	Rochester	54156	171-89
	Signetics	54156	171-92
	TI	SN54156	171-94
54157	National	DM54157	187-72
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	Rochester	54157	187-80
	Signetics	54157	187-84
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54158	Signetics	54158	186-172
5416	Lansdale	ML5416	163-129
	National	DM5416	173-92
	Rochester	5416	163-131
	Signetics	5416	173-100
	TI	SN5416	173-104
54160	Lansdale	ML54160	169-119
	Signetics	54160	170-14
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54161	Lansdale	ML54161	168-78
	National	DM54161A	167-165
		54161	168-1
	Signetics	54161	168-7
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54162	Lansdale	ML54162	169-120
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54163	Lansdale	ML54163	168-74
	National	DM54163	168-36
	Signetics	54163	168-40
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54164	National	54164	190-25
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	Signetics	54164	190-29
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54165	Lansdale	ML54165	190-54
	National	54165	190-74
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	Signetics	54165	190-77
	TI	SN54165	190-78
54166	Rochester	54166	190-91
	Signetics	54166	190-93
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54167	Lansdale	ML54167	169-124
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5417	Lansdale	ML5417	162-77
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54173	National	DM54173	174-171
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	Signetics	54173	174-179
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54174	Lansdale	ML54174	175-15
	National	DM54174	175-18
		54174	175-20
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	Signetics	54174	175-23
	TI	SN54174	175-25
54175	Lansdale	ML54175	174-103
	National	DM54175	174-106
		54175	174-108
	Signetics	54175	174-111
	TI	SN54175	174-113
54176	Lansdale	ML54176	169-139
	Rochester	54176	169-143
	TI	SN54176	169-180
54177	Lansdale	ML54177	168-144
	Rochester	54177	168-146
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54178	Rochester	54178	189-118
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54179	Rochester	54179	189-120
54180	Lansdale	ML54180	161-135
	National	DM54180	193-45
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	Signetics	54180	193-51
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54181	Lansdale	ML54181	161-70
	National	DM54181	160-132
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54182	Lansdale	ML54182	161-23
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54185	Rochester	54185	192-37
54188	TI	SN54188A	918-36
5419	Allegro Micro		
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54190	Lansdale	ML54190	169-113
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54191	Lansdale	ML54191	168-70
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54192	Lansdale	ML54192	169-114
	Rochester	54192	170-116
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54193	Lansdale	ML54193	168-71
	National	DM54193	169-66
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	Signetics	54193	169-72
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54194	Lansdale	ML54194	189-95
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54195	Lansdale	ML54195	189-93
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54196	Lansdale	ML54196	169-140
	Rochester	54196	169-144
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54197	Lansdale	ML54197	168-141
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54198	Rochester	54198	190-59
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54199	Rochester	54199	190-64
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5420	GoldStar	GCL5420	1235-34
	Harris	CA5420	757-14
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	Lansdale	ML5420	178-124
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5421	Rochester	5421	177-109
	Signetics	5421	177-111
5422	Rochester	5422	179-30
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54221	Rochester	54221	188-161
	Signetics	54221	188-162
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5423	Lansdale	ML5423	182-56
	Rochester	5423	182-67
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54240	National	MM54240	613-13
54245	Toshiba	TC54245A	948-46
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54247	TI	SN54247	582-144
5425	Lansdale	ML5425	182-57
	National	5425	182-60
	Signetics	5425	182-63
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54251	Rochester	54251	188-82
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54256	Toshiba	TC54256A-15	933-13
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54259	TI	SN54259	184-82
5426	Lansdale	ML5426	179-137
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54265	TI	SN54265	192-77
5427	Lansdale	ML5427	182-88
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54278	TI	SN54278	192-144
54279	National	54279	184-22
	Signetics	54279	184-25
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5428	Signetics	5428	182-164
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54283	National	54283	161-83
	TI	SN54283	161-89
54284	National	DM54284	161-38
54290	Lansdale	ML54290	169-135
	TI	SN54290	169-156
54293	Lansdale	ML54293	168-138
	TI	SN54293	168-105
54298	Lansdale	ML54298	189-45
	National	54298	187-164
	Signetics	54298	187-166
	TI	SN54298	187-167
543	Maxim	MAX543A	562-34
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5430	Lansdale	ML5430	180-165
	National	DM5430	180-167
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	Signetics	54365A	162-111
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54366	Signetics	54366A	163-188
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54367	National	DM54367	162-105
			173-119
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	Signetics	54367A	162-112
			173-122
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54368	National	DM54368	163-183
	Rochester	54368	163-187
	Signetics	54368A	163-189
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5437	Lansdale	ML5437	180-3
	National	DM5437	180-7
		MM5437	714-107
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	Signetics	5437	180-13
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54376	TI	SN54376	177-105
5438	Lansdale	ML5438	180-4
	National	DM5438	180-43
	Rochester	5438	180-47
	Signetics	5438	180-50
	TI	SN5438	180-54
5439	Signetics	5439	180-51
54390	TI	SN54390	170-60
54393	TI	SN54393	168-82
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5441	National	DM5441A	583-32
5442	Lansdale	ML5442	171-16
	National	DM5442	171-39
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544200	Toshiba	TC544200-12	962-20
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5443	Lansdale	ML5443	171-13
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5444	Lansdale	ML5444	171-11
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5445	National	DM5445	171-19
	Signetics	5445	171-23
	TI	SN5445	171-25
5446	TI	SN5446A	582-145
5447	National	DM5447A	582-122
	TI	SN5447A	582-146
5448	Rochester	5448	582-108
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5450	Lansdale	ML5450	181-48
	National	MM5450	583-49
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	SGS-Thomson		
		M5450	581-111
	Signetics	5450	181-97
	TI	SN5450	181-98
5451	Lansdale	ML5451	181-49
	National	MM5451	583-50
	Rochester	5451	181-53
	SGS-Thomson		
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		M5451	581-112
	Signetics	5451	181-55
	TI	SN5451	181-57
54512	Toshiba	TC54512A-15	934-8
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54513	Mitsubishi	M54513	705-69
54514	Mitsubishi	M54514A	705-56
5452	GEC Plessey		
		MA5452	811-77
	National	MM5452	584-94
54522	Mitsubishi	M54522	705-70
54523	Mitsubishi	M54523	705-65
54524	Mitsubishi	M54524	705-66
5453	GEC Plessey		
		MA5453	811-78
	Lansdale	ML5453	181-131
	National	MM5453	584-95
	Rochester	5453	181-135
	STC	TEL5453	811-75
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54532	Mitsubishi	M54532	705-51
54533	Mitsubishi	M54533	705-53
54534	Mitsubishi	M54534	705-54
54536	Mitsubishi	M54536	705-67
54537	Mitsubishi	M54537	705-62
54538	Mitsubishi	M54538	705-63
54539	Mitsubishi	M54539	705-55
5454	Lansdale	ML5454	181-132
	Rochester	5454	181-136
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54543	Mitsubishi	M54543	607-74
54544	Mitsubishi	M54544	607-75
54545	Mitsubishi	M54545	607-76
5455	Allegro Micro		
		SCL5455	717-81
54561	Mitsubishi	M54561	705-61
54562	Mitsubishi	M54562	705-71
54563	Mitsubishi	M54563	705-72
54566	Mitsubishi	M54566	705-64
54567	Mitsubishi	M54567	705-52
54569	Mitsubishi	M54569	705-68
5458	Allegro Micro		
		SCL5458	717-75
54580	Mitsubishi	M54580	705-60
54581	Mitsubishi	M54581	705-73
54585	Mitsubishi	M54585	705-74
54590	Mitsubishi	M54590	705-75
54598	Mitsubishi	M54598	705-76
546	**AD**	**AD546**	*** 3342**
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5460	Rochester	5460	181-103
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5463	Allegro Micro		
		SCL5463	717-82
54646	Mitsubishi	M54646A	607-81
5465	Sony	CXK5465-25	1074-4
		CXK5465-30	1075-34
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54655	Mitsubishi	M54655	592-50
54656	Mitsubishi	M54656	592-51
5466	Allegro Micro		
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	Sony	CXK5467-15	1069-38
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5468	Allegro Micro		
		SCL5468	717-83
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5470	**Harris**	**CA5470**	*** 3508**
			779-52
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	Rochester	5470	176-68
	TI	SN5470	176-70
5472	Lansdale	ML5472	176-82
	Rochester	5472	176-84
	TI	SN5472	176-73
5473	Lansdale	ML5473	176-99
	National	DM5473	176-146
		5473	176-149
	Signetics	5473	176-153
	TI	SN5473	176-155
5474	Allegro Micro		
		SCL5474	717-84
	Lansdale	ML5474	174-20
	National	DM5474	174-47
		5474	174-49
	Rochester	5474	174-22
	Signetics	5474	174-52
	TI	SN5474	174-54
5475	Lansdale	ML5475	184-8
	National	DM5475	183-162
		5475	183-164
	Signetics	5475	183-167
	TI	SN5475	183-168
5476	Lansdale	ML5476	176-101
	National	DM5476	177-5
		5476	177-7
	Rochester	5476	176-103
	Signetics	5476	177-10
	TI	SN5476	177-11
5477	Lansdale	ML5477	184-9
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7B333	Cypress	CY7B333-10C	1316-23
		CY7B333-12C	1316-31
		CY7B333-12M	1316-32
		CY7B333-15M	1317-1
7B336	Cypress	CY7B336-10M	1316-26
		CY7B336-12M	1316-37
		CY7B336-6C	1316-9
		CY7B336-7M	1316-11
		CY7B336-8C	1316-17
7B337	Cypress	CY7B337-10M	1316-27
		CY7B337-12M	1316-38
		CY7B337-7C	1316-13
		CY7B337-8M	1316-19
		CY7B337-9C	1316-21
7B338	Cypress	CY7B338-10M	1316-28
		CY7B338-12M	1316-39
		CY7B338-6C	1316-10
		CY7B338-7M	1316-12
		CY7B338-8C	1316-18
7B339	Cypress	CY7B339-10M	1316-29
		CY7B339-12M	1316-40
		CY7B339-7C	1316-14
		CY7B339-8M	1316-20
		CY7B339-9C	1316-22
7C101	Cypress	CY7C101-25C	1114-18
		CY7C101-35C	1114-34
		CY7C101-35M	1114-35
		CY7C101-45C	1115-15
		CY7C101-45M	1115-16
7C102	Cypress	CY7C102-25C	1114-19
		CY7C102-35C	1114-36
		CY7C102-35M	1114-37
		CY7C102-45C	1115-17
		CY7C102-45M	1115-18
7C106	**AT&T**	**ATT7C106-15 * 3392**	
			1114-7
		ATT7C106-20 * 3392	
			1114-13
		ATT7C106-25 * 3392	
			1114-29
	Cypress	CY7C106-25C	1114-20
		CY7C106-35C	1114-38
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7C107	**AT&T**	**ATT7C107-15 * 3393**	
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		ATT7C107-20 * 3393	
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		ATT7C107-25 * 3393	
			1117-40
		ATT7C107-45 * 3393	
			1118-26
	Cypress	CY7C107-25C	1117-35
		CY7C107-35C	1117-44
		CY7C107-35M	1117-45
		CY7C107-45C	1118-12
		CY7C107-45M	1118-13
7C108	**AT&T**	**ATT7C108-15 * 3394**	
			1106-7
		ATT7C108-20 * 3394	
			1106-14
		ATT7C108-25 * 3394	
			1106-28
	Cypress	CY7C108-25C	1106-18
		CY7C108-35C	1106-31
		CY7C108-35M	1106-32
		CY7C108-45C	1107-3
		CY7C108-45M	1107-4
7C109	**AT&T**	**ATT7C109-15 * 3394**	
			1106-8
		ATT7C109-20 * 3394	
			1106-15
		ATT7C109-25 * 3394	
			1106-29
	Cypress	CY7C109-25C	1106-19
		CY7C109-35C	1106-33
		CY7C109-35M	1106-34
		CY7C109-45C	1107-5
		CY7C109-45M	1107-6
7C116	**AT&T**	**ATT7C116-10 * 3395**	
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		ATT7C116-12 * 3395	
			1037-32
		ATT7C116-15 * 3395	
			1037-36
		ATT7C116-20 * 3395	
			1037-47
7C122	Cypress	CY7C122-15C	1031-2
		CY7C122-25C	1031-9
		CY7C122-25M	1031-10
		CY7C122-35C	1031-15
		CY7C122-35M	1031-16
	VLSI Tech	VT7C122	1031-7
7C123	Cypress	CY7C123-10M	1030-45
		CY7C123-12C	1030-51
		CY7C123-12M	1031-1
		CY7C123-15M	1031-3
		CY7C123-7C	1030-31
		CY7C123-9C	1030-44
7C128	Cypress	CY7C128A-15C	1037-37
		CY7C128A-20C	1038-
		CY7C128A-20M	1038-1
		CY7C128A-25C	1038-17
		CY7C128A-25M	1038-18
		CY7C128A-35C	1038-45
		CY7C128A-35M	1038-46
		CY7C128A-45C	1039-20
		CY7C128A-45M	1039-21
		CY7C128A-55C	1039-47
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7C130	**Cypress**	**CY7C130-25C**	
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		*** 3431**	
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		CY7C130-55C	
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			1037-8
7C131	Cypress	CY7C131-25C	1146-15
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		CY7C131-35C	
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		CY7C131-35M	
		*** 3431**	
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		CY7C131-45M	
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7C132	**Cypress**	**CY7C132-25C**	
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		*** 3431**	
			1151-1
		CY7C132-35C	
		*** 3431**	
			1151-26
		CY7C132-35M	1151-21
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		*** 3431**	
			1152-3
		CY7C132-45M	
		*** 3431**	
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		CY7C132-55C	
		*** 3431**	
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		CY7C132-55M	
		*** 3431**	
			1152-25
7C136	**Cypress**	**CY7C136-25C**	
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		*** 3431**	
			1151-2
		CY7C136-35C	
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		CY7C136-55C	
		*** 3431**	
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		CY7C136-55M	
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7C140	**Cypress**	**CY7C140-25C**	
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		CY7C140-30C	
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		CY7C140-45C	
		* **3431**	
			1147-5
		CY7C140-45M	
		* **3431**	
			1147-12
		CY7C140-55C	
		* **3431**	
			1147-24
		CY7C140-55M	
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7C141	Cypress	**CY7C141-25C**	
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		* **3431**	
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		CY7C141-35C	
		* **3431**	
			1146-30
		CY7C141-35M	
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			1146-31
		CY7C141-45C	
		* **3431**	
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		CY7C141-45M	
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		CY7C141-55M	
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7C142	Cypress	**CY7C142-25C**	
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		CY7C142-45M	
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			1151-35
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		CY7C142-55M	
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7C146	Cypress	**CY7C146-25C**	
		* **3431**	
			1150-39
		CY7C146-30C	
		* **3431**	
			1151-4
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		* **3431**	
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		CY7C146-35M	
		* **3431**	
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		CY7C146-45C	
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		CY7C146-45M	
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7C147	Cypress	CY7C147-25C	1043-29
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		CY7C147-35M	1043-36
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7C148	Cypress	CY7C148-25C	1034-48
		CY7C148-35C	1035-13
		CY7C148-35M	1035-14
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7C149	Cypress	CY7C149-25C	1034-49
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		CY7C149-45C	1035-41
		CY7C149-45M	1035-42
7C150	Cypress	CY7C150-10C	1159-49
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		CY7C150-12M	1159-51
		CY7C150-15C	1034-24
		CY7C150-15M	1159-52
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		CY7C150-35C	1035-17
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7C156	LogicDev	L7C156-14	1088-37
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7C157	AT&T	ATT7C157-15	1163-19
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	VLSI Tech	VT7C157-20	1081-13
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7C161	AT&T	ATT7C161-10	1066-49
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	Cypress	CY7C161-15C	1068-43
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		CY7C161-45C	1077-31
		CY7C161A-15C	1068-44
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		CY7C161A-25C	1072-10
		CY7C161A-25M	
			1072-11
		CY7C161A-35C	1075-39
		CY7C161A-35M	
			1075-40
		CY7C161A-45C	1077-32
		CY7C161A-45M	
			1077-33
	LogicDev	L7C161C-20	1071-13
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		L7C161C-35	1076-23
		L7C161C-45	1078-15
		L7C161C-85	1080-24
		L7C161M-25	1073-11
		L7C161M-35	1076-24
		L7C161M-45	1078-16
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7C162	AT&T	ATT7C162-10	1066-50
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		ATT7C162-15	1068-39
		ATT7C162-20	1070-27
	Cypress	CY7C162-15C	1068-45
		CY7C162-20C	1070-34
		CY7C162-25C	1072-12
		CY7C162-35C	1075-41
		CY7C162-45C	1077-34
		CY7C162A-15C	1068-46
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		CY7C162A-45M	
			1077-36
	LogicDev	L7C162C-20	1071-14
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		L7C162C-35	1076-25
		L7C162C-45	1078-17
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		L7C162M-25	1073-13
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7C164	AT&T	**ATT7C164-10** * **3397**	
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		ATT7C164-15 * **3397**	
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	Cypress	CY7C164-15C	1068-47
		CY7C164-20C	1070-37
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		CY7C164-35C	1075-44
		CY7C164-45C	1077-37
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	LogicDev	L7C164C-20	1071-15
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7C165	AT&T	**ATT7C165-10** * **3397**	
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		ATT7C165-12 * **3397**	
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	LogicDev	L7C165C-20	1071-16
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7C166	AT&T	**ATT7C166-10** * **3397**	
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		CY7C166A-25M	
			1072-20
		CY7C166A-35C	1075-48
		CY7C166A-35M	
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		CY7C166A-45C	1077-41
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	LogicDev	L7C166C-20	1071-17
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		L7C166M-25	1073-19
		L7C166M-35	1076-32
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			1064-18
		CY7C167A-25C	1064-31
		CY7C167A-25M	
			1064-32
		CY7C167A-35C	1064-48
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		CY7C168-45M	1051-37
		CY7C168A-15C	1046-5
		CY7C168A-20C	1046-51
		CY7C168A-20M	
			1046-52
		CY7C168A-25C	1048-23
		CY7C168A-25M	
			1048-24
		CY7C168A-35C	1050-4
		CY7C168A-35M	
			1050-5
		CY7C168A-45C	1051-38
		CY7C168A-45M	
			1051-39
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		CY7C169-35C	1050-6
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7C170	AT&T	ATT7C170-10	1045-5
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		ATT7C170-15	1046-2
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		CY7C170-45C	1051-42
		CY7C170-45M	1051-43
		CY7C170A-15C	1046-7
		CY7C170A-20C	1047-3
		CY7C170A-20M	1047-4
		CY7C170A-25C	1048-29
		CY7C170A-25M	1048-30
		CY7C170A-35C	1050-12
		CY7C170A-35M	1050-13
		CY7C170A-45C	1051-44
		CY7C170A-45M	1051-45
	LogicDev	L7C170C-15	1046-19
		L7C170C-20	1047-29
		L7C170C-25	1049-10
		L7C170C-35	1050-41
		L7C170C-45	1052-18
		L7C170C-85	1053-23
		L7C170M-20	1047-30
		L7C170M-25	1049-11
		L7C170M-35	1050-42
		L7C170M-45	1052-19
		L7C170M-85	1053-24
7C171	AT&T	ATT7C171-10	1045-6
		ATT7C171-12	1045-30
		ATT7C171-15	1046-3
		ATT7C171-20	1046-48
	Cypress	CY7C171-25C	1048-31
		CY7C171-35C	1050-14
		CY7C171-35M	1050-15
		CY7C171-45C	1051-46
		CY7C171-45M	1051-47
		CY7C171A-15C	1046-8
		CY7C171A-20C	1047-5
		CY7C171A-20M	1047-6
		CY7C171A-25C	1048-32
		CY7C171A-25M	1048-33
		CY7C171A-35C	1050-16
		CY7C171A-35M	1050-17
		CY7C171A-45C	1051-48
		CY7C171A-45M	1051-49
	LogicDev	L7C171C-15	1046-20
		L7C171C-20	1047-31
		L7C171C-25	1049-12
		L7C171C-35	1050-43
		L7C171C-45	1052-20
		L7C171C-85	1053-25
		L7C171M-20	1047-32
		L7C171M-25	1049-13
		L7C171M-35	1050-44
		L7C171M-45	1052-21

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Base Number	Source	Device	Page-Line
7C171	LogicDev		(Cont'd)
		L7C171M-85	1053-26
7C172	AT&T	ATT7C172-10	1045-7
		ATT7C172-12	1045-31
		ATT7C172-15	1046-49
		ATT7C172-20	1046-50
	Cypress	CY7C172-25C	1048-34
		CY7C172-35C	1050-18
		CY7C172-35M	1050-19
		CY7C172-45C	1051-50
		CY7C172-45M	1051-51
		CY7C172A-15C	1046-9
		CY7C172A-20C	1047-7
		CY7C172A-20M	1047-8
		CY7C172A-25C	1048-35
		CY7C172A-25M	1048-36
		CY7C172A-35C	1050-20
		CY7C172A-35M	1050-21
		CY7C172A-45C	1051-52
		CY7C172A-45M	1051-53
	LogicDev	L7C172C-15	1046-21
		L7C172C-20	1047-33
		L7C172C-25	1049-14
		L7C172C-35	1050-45
		L7C172C-45	1052-22
		L7C172C-85	1053-27
		L7C172M-20	1047-34
		L7C172M-25	1049-15
		L7C172M-35	1050-46
		L7C172M-45	1052-23
		L7C172M-85	1053-28
7C173	**AT&T**	**ATT7C173-12 * 3398**	1161-37
		ATT7C173-15 * 3398	1161-40
		ATT7C173-20 * 3398	1161-47
		ATT7C173-25 * 3398	1162-1
7C174	**AT&T**	**ATT7C174-12 * 3398**	1161-38
		ATT7C174-15 * 3398	1161-39
		ATT7C174-20 * 3398	1161-48
		ATT7C174-25 * 3398	1162-2
7C180	**AT&T**	**ATT7C180-10 * 3399**	1160-23
		ATT7C180-12 * 3399	1160-25
		ATT7C180-15 * 3399	1160-32
		ATT7C180-20 * 3399	1160-39
7C181	AT&T	ATT7C181-10	1160-24
		ATT7C181-12 * 3399	1160-26
		ATT7C181-15 * 3399	1160-33
		ATT7C181-20 * 3399	1160-40
7C182	Cypress	CY7C182-25C	1062-22
		CY7C182-35C	1062-37
		CY7C182-35M	1062-38
		CY7C182-45C	1062-50
		CY7C182-45M	1062-51
		CY7C182-55M	1062-56
7C183	**AT&T**	**ATT7C183-25 * 3400**	1159-40
		ATT7C183-35 * 3399	1159-42
		ATT7C183-45 * 3399	1159-44
	Cypress	CY7C183-25C	1161-6
		CY7C183-35C	1161-9
		CY7C183-35M	1161-10
		CY7C183-45C	1161-14

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Base Number	Source	Device	Page-Line
7C183	Cypress		(Cont'd)
		CY7C183-45M	1161-15
7C184	**AT&T**	**ATT7C184-25 * 3400**	1159-41
		ATT7C184-35 * 3400	1159-43
		ATT7C184-45 * 3400	1159-45
	Cypress	CY7C184-25C	1161-7
		CY7C184-35C	1161-11
		CY7C184-35M	1161-12
		CY7C184-45C	1161-16
		CY7C184-45M	1161-18
7C185	**AT&T**	**ATT7C185-10 * 3401**	1055-12
		ATT7C185-12 * 3401	1055-19
		ATT7C185-15 * 3401	1055-32
		ATT7C185-20 * 3401	1055-48
	Cypress	CY7C185-20C	1055-50
		CY7C185-25C	1056-22
		CY7C185-35C	1057-14
		CY7C185-45C	1058-8
		CY7C185-55C	1058-44
		CY7C185A-20C	1056-1
		CY7C185A-20M	1056-2
		CY7C185A-25C	1056-23
		CY7C185A-25M	1056-24
		CY7C185A-35C	1057-15
		CY7C185A-35M	1057-16
		CY7C185A-45C	1058-9
		CY7C185A-45M	1058-10
		CY7C185A-55C	1058-45
		CY7C185A-55M	1058-46
	LogicDev	L7C185C-20	1056-8
		L7C185C-25	1056-30
		L7C185C-35	1057-37
		L7C185C-45	1058-33
		L7C185C-85	1060-7
		L7C185M-25	1056-31
		L7C185M-35	1057-38
		L7C185M-45	1058-34
		L7C185M-85	1060-8
7C186	AT&T	ATT7C186-12	1055-20
		ATT7C186-15	1055-33
		ATT7C186-20	1055-49
		ATT7C186-25	1056-21
	Cypress	CY7C186-20C	1056-3
		CY7C186-25C	1056-25
		CY7C186-35C	1057-17
		CY7C186-45C	1058-11
		CY7C186-55C	1058-47
		CY7C186A-20C	1056-4
		CY7C186A-20M	1056-5
		CY7C186A-25C	1056-26
		CY7C186A-25M	1056-27
		CY7C186A-35C	1057-18
		CY7C186A-35M	1057-19
		CY7C186A-45C	1058-12
		CY7C186A-45M	1058-13
		CY7C186A-55C	1059-1
		CY7C186A-55M	1059-2
7C187	AT&T	ATT7C187-10	1090-20
		ATT7C187-12	1090-24
		ATT7C187-15	1090-34
		ATT7C187-20	1091-5
	Cypress	CY7C187-25C	1091-23
		CY7C187-35C	1092-9
		CY7C187-45C	1092-38
		CY7C187A-15C	1090-35
		CY7C187A-20C	1091-6
		CY7C187A-20M	1091-7
		CY7C187A-25C	1091-24

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Base Number	Source	Device	Page-Line
7C187	Cypress		(Cont'd)
		CY7C187A-25M	1091-25
		CY7C187A-35C	1092-10
		CY7C187A-35M	1092-11
		CY7C187A-45C	1092-39
		CY7C187A-45M	1092-40
	LogicDev	L7C187C-15	1090-39
		L7C187C-20	1091-11
		L7C187C-25	1091-32
		L7C187C-35	1092-19
		L7C187C-45	1092-48
		L7C187C-85	1093-40
		L7C187M-20	1091-12
		L7C187M-25	1091-33
		L7C187M-35	1092-20
		L7C187M-45	1092-49
		L7C187M-85	1093-41
7C189	Cypress	CY7C189-15C	1028-31
		CY7C189-25C	1028-40
		CY7C189-25M	1028-41
7C190	Cypress	CY7C190-15C	1028-32
		CY7C190-25C	1028-42
		CY7C190-25M	1028-43
7C191	AT&T	ATT7C191-12	1094-15
		ATT7C191-15	1095-3
		ATT7C191-20	1096-26
		ATT7C191-25	1098-18
	Cypress	CY7C191-25C	1096-32
		CY7C191-35C	1098-50
		CY7C191-35M	1098-51
		CY7C191-45C	1100-46
		CY7C191-45M	1100-47
7C192	AT&T	ATT7C192-12	1094-16
		ATT7C192-15	1095-4
		ATT7C192-20	1096-27
		ATT7C192-25	1098-19
	Cypress	CY7C192-25C	1096-33
		CY7C192-35C	1099-1
		CY7C192-35M	1099-2
		CY7C192-45C	1100-48
		CY7C192-45M	1101-
7C194	**AT&T**	**ATT7C194-12 * 3402**	1094-12
		ATT7C194-20 * 3401	1096-23
		ATT7C194-25 * 3402	1098-15
	Cypress	CY7C194-25C	1096-34
		CY7C194-35C	1099-3
		CY7C194-35M	1099-4
		CY7C194-45C	1101-1
		CY7C194-45M	1101-2
7C195	**AT&T**	**ATT7C195-12 * 3402**	1094-13
		ATT7C195-15 * 3402	1095-1
		ATT7C195-20 * 3402	1096-24
		ATT7C195-25 * 3402	1098-16
	Cypress	CY7C195-25C	1096-35
		CY7C195-35C	1099-5
		CY7C195-35M	1099-6
		CY7C195-45C	1101-3
		CY7C195-45M	1101-4
7C196	**AT&T**	**ATT7C196-12 * 3402**	1094-14
		ATT7C196-15 * 3402	1095-2
		ATT7C196-20 * 3403	1096-25
		ATT7C196-25 * 3402	1098-17
	Cypress	CY7C196-25C	1096-36
		CY7C196-35C	1099-7
		CY7C196-35M	1099-8
		CY7C196-45C	1101-5
		CY7C196-45M	1101-6
7C197	AT&T	ATT7C197-12	1111-12
		ATT7C197-15	1111-28
		ATT7C197-20	1112-1
		ATT7C197-25	1112-24
	Cypress	CY7C197-20C	1112-3

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Base Number	Source	Device	Page-Line
7C197	Cypress		(Cont'd)
		CY7C197-25C	1112-7
		CY7C197-25M	1112-26
		CY7C197-35C	1112-33
		CY7C197-35M	1112-34
		CY7C197-45C	1113-6
		CY7C197-45M	1113-7
7C198	Cypress	CY7C198-25C	1082-29
		CY7C198-35C	1083-11
		CY7C198-35M	1083-12
		CY7C198-45C	1083-43
		CY7C198-45M	1083-44
		CY7C198-55C	1084-22
		CY7C198-55M	1084-23
7C199	AT&T	ATT7C199-12	1082-1
		ATT7C199-15	* 3403
			1082-10
		ATT7C199-20	* 3403
			1082-26
		ATT7C199-25	* 3403
			1083-3
	Cypress	CY7C199-25C	1082-30
		CY7C199-35C	1083-13
		CY7C199-35M	1083-14
		CY7C199-45C	1083-45
		CY7C199-45M	1083-46
		CY7C199-55C	1084-24
		CY7C199-55M	1084-25
7C225	Cypress	CY7C225-25C	920-30
		CY7C225-30C	920-37
		CY7C225-30M	920-31
		CY7C225-35M	920-38
		CY7C225-40C	920-47
		CY7C225-40M	920-48
7C235	Cypress	CY7C235-25C	923-13
		CY7C235-30C	923-19
		CY7C235-30M	923-16
		CY7C235-35M	923-20
		CY7C235-40C	923-30
		CY7C235-40M	923-31
7C245	Cypress	CY7C245-25C	925-18
		CY7C245-35C	926-9
		CY7C245-35M	925-43
		CY7C245-45C	926-19
		CY7C245-45M	926-30
		CY7C245A-15C	925-4
		CY7C245A-18C	925-5
		CY7C245A-25C	925-19
		CY7C245A-25M	925-20
		CY7C245A-35C	925-44
		CY7C245A-35M	925-45
		CY7C245AL-35C	926-1
		CY7C245AL-35WC	937-27
		CY7C245L-35C	926-2
		CY7C245L-45C	926-20
7C251	Cypress	CY7C251-45C	931-41
		CY7C251-55C	931-44
		CY7C251-55M	931-45
		CY7C251-65C	931-48
		CY7C251-65M	931-49
7C254	Cypress	CY7C254-45C	931-42
		CY7C254-55C	931-46
		CY7C254-55M	931-47
		CY7C254-65C	931-50
		CY7C254-65M	931-51
7C261	Cypress	CY7C261-20C	929-31
		CY7C261-25C	929-36
		CY7C261-30C	929-43
		CY7C261-35C	929-48
		CY7C261-35M	929-49
		CY7C261-40C	939-28
		CY7C261-45C	929-63
		CY7C261-45M	929-64
		CY7C261-55C	930-28
		CY7C261-55M	930-29
7C263	Cypress	CY7C263-20C	929-32
		CY7C263-25C	929-37
		CY7C263-30C	929-44
		CY7C263-30M	929-45
		CY7C263-35C	929-50
		CY7C263-35M	929-51
		CY7C263-40C	939-29

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Base Number	Source	Device	Page-Line
7C263	Cypress		(Cont'd)
		CY7C263-45C	930-
		CY7C263-45M	930-1
		CY7C263-55C	930-30
		CY7C263-55M	930-31
7C264	Cypress	CY7C264-20C	929-33
		CY7C264-25C	929-38
		CY7C264-25WC	929-39
		CY7C264-30C	929-46
		CY7C264-35C	929-52
		CY7C264-35M	929-53
		CY7C264-40C	929-58
		CY7C264-45C	930-2
		CY7C264-45M	930-3
		CY7C264-55C	930-32
		CY7C264-55M	930-33
7C265	Cypress	CY7C265-40C	929-59
		CY7C265-50C	930-18
		CY7C265-50M	930-19
		CY7C265-50WM	930-20
		CY7C265-60C	930-52
		CY7C265-60M	930-53
7C266	Cypress	CY7C266-20C	929-34
		CY7C266-25C	929-40
		CY7C266-25M	929-41
		CY7C266-35C	939-23
		CY7C266-45C	930-4
		CY7C266-45M	930-5
		CY7C266-55C	930-34
		CY7C266-55M	930-35
7C268	Cypress	CY7C268-40C	929-60
		CY7C268-50C	930-23
		CY7C268-50M	930-24
		CY7C268-60C	930-50
		CY7C268-60M	930-54
7C269	Cypress	CY7C269-15C	929-28
		CY7C269-18C	929-29
		CY7C269-18M	929-30
		CY7C269-25M	929-42
		CY7C269-40C	930-17
		CY7C269-50C	930-21
		CY7C269-50M	930-22
		CY7C269-60C	930-51
		CY7C269-60M	930-55
7C271	**Cypress**	**CY7C271-35C**	* 3434
			932-22
		CY7C271-45C	* 3434
			932-27
		CY7C271-45WM	* 3434
			932-28
		CY7C271-55C	* 3434
			932-36
		CY7C271-55M	* 3434
			932-37
7C274	**Cypress**	**CY7C274-35C**	* 3434
			945-43
		CY7C274-45C	* 3434
			932-29
		CY7C274-55C	* 3434
			932-38
		CY7C274-55M	* 3434
			932-39
7C277	Cypress	CY7C277-30C	932-20
		CY7C277-40C	932-24
		CY7C277-40M	932-25
		CY7C277-50C	932-34
		CY7C277-50M	932-35
7C279	Cypress	CY7C279-35C	932-23
		CY7C279-45C	932-30
		CY7C279-45M	932-31
		CY7C279-55C	932-40
		CY7C279-55M	932-41
7C281	Cypress	CY7C281-30C	923-17
		CY7C281-45C	923-36

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Base Number	Source	Device	Page-Line
7C281	Cypress		(Cont'd)
		CY7C281-45M	923-37
7C282	Cypress	CY7C282-30C	923-18
		CY7C282-45C	923-38
		CY7C282-45M	923-39
7C285	**Cypress**	**CY7C285-65C**	* 3434
			933-37
		CY7C285-75C	* 3434
			933-43
		CY7C285-75M	* 3434
			933-44
		CY7C285-85C	* 3434
			934-1
		CY7C285-85M	* 3434
			934-2
7C286	Cypress	CY7C286-50C	933-32
		CY7C286-60C	933-35
		CY7C286-60M	933-36
		CY7C286-70C	933-41
		CY7C286-70M	933-42
7C287	Cypress	CY7C287-45C	933-31
		CY7C287-55C	933-33
		CY7C287-55M	933-34
		CY7C287-65C	933-38
		CY7C287-65M	933-39
7C289	**Cypress**	**CY7C289-65WC**	* 3434
			933-40
		CY7C289-75M	* 3434
			933-45
		CY7C289-75WC	* 3434
			933-46
		CY7C289-85M	* 3434
			934-3
		CY7C289-85WC	* 3434
			934-4
7C291	Cypress	CY7C291-35C	925-33
		CY7C291-35M	925-34
		CY7C291-50C	926-36
		CY7C291-50M	926-37
		CY7C291A-20C	925-6
		CY7C291A-25C	925-12
		CY7C291A-25M	925-13
		CY7C291A-30M	925-29
		CY7C291A-35C	926-3
		CY7C291A-35M	926-4
		CY7C291A-50C	926-49
		CY7C291A-50M	926-50
		CY7C291AL-35C	925-35
		CY7C291AL-50C	926-38
		CY7C291L-35C	925-36
		CY7C291L-50C	926-39
7C292	Cypress	CY7C292-35C	925-37
		CY7C292-50C	926-40
		CY7C292-50M	926-41
		CY7C292A-20C	925-7
		CY7C292A-25C	925-14
		CY7C292A-25M	925-15
		CY7C292A-30M	925-30
		CY7C292A-35C	926-5
		CY7C292A-35M	926-6
		CY7C292A-50C	927-1
		CY7C292A-50M	927-2
		CY7C292AL-35C	925-38
		CY7C292AL-50C	926-42
		CY7C292L-35C	925-39

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Base Number	Source	Device	Page-Line
7C292	Cypress		(Cont'd)
		CY7C292L-50C	926-43
7C293	Cypress	CY7C293A-20C	925-8
		CY7C293A-25C	925-16
		CY7C293A-25M	925-17
		CY7C293A-30C	925-28
		CY7C293A-30M	925-31
		CY7C293A-30WC	925-40
		CY7C293A-35C	926-7
		CY7C293A-35M	926-8
		CY7C293A-50C	927-3
		CY7C293A-50M	927-4
		CY7C293AL-35C	925-41
		CY7C293AL-50C	926-44
7C330	Cypress	CY7C330-28M	1317-12
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74FCT182			
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74FCT191			
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74FCT273			
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74FCT299			
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74FCT373			
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74FCT377			
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		IDT74FCT377AT	124-154
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74FCT399			
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74FCT521			
	IDT	IDT74FCT521	124-157
		IDT74FCT521A	102-141
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	Quality Semi		
		QS74FCT521 * 3613	102-86
74FCT533			
	Harris	CD74FCT533	148-88
	IDT	IDT74FCT533	134-44
		IDT74FCT533A	134-45
		IDT74FCT533AT	134-46
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74FCT534			
	Harris	CD74FCT534	124-126
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74FCT540			
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74FCT543			
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74FCT544			
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74FCT563			
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74FCT564			
	Harris	CD74FCT564	124-127
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74FCT573			
	Harris	CD74FCT573	148-71
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		IDT74FCT573AT	133-86
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		IDT74FCT573CT	133-88
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	National	74FCT573	148-84
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74FCT574			
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74FCT620			
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74FCT623			
	Harris	CD74FCT623	112-73
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74FCT640			
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		IDT74FCT640AT	111-144
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74FCT649			
	Harris	CD74FCT649	111-57
74FCT651			
	Harris	CD74FCT651	111-118
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	Quality Semi		
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74FCT652			
	Harris	CD74FCT652	111-102
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	Harris	CD74FCT653	110-150
74FCT654			
	Harris	CD74FCT654	147-81
74FCT7623			
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		IDT74FCT821B	114-61
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	Harris	CD74FCT823A	126-116
	IDT	IDT74FCT823A	113-153
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74FCT824			
	Harris	CD74FCT824A	126-98
	IDT	IDT74FCT824A	126-101
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	Quality Semi		
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	Sharp	LR74HC164	141-105
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	NJR	NJU74HC377	123-189
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	Motorola	MC74HC4016	503-72
	National	MM74HC4016	503-78
	Signetics	74HC4016	503-86
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	Motorola	SN74LS163A	168-59
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74167	Lansdale	ML74167	169-125
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		AD7537T	* **3318**
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		AD7537U	* **3318**
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	Maxim	MX7537A	570-22
		MX7537B	564-41
		MX7537C	564-42
		MX7537J	570-23
		MX7537K	564-43
		MX7537L	564-44
		MX7537S	570-24
		MX7537T	564-45
		MX7537U	564-46
75372	TI	SN75372	605-79
75374	TI	SN75374	605-87
7538	**AD**	**AD7538**	* **3313**
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	Maxim	MX7538	574-30
	NEC	μPD7538A	329-21
	SGS-Thomson		
		TS7538	817-109
	Sipex-HSD	SP7538	574-37
754	AD	AD754L	573-11
7540	AT&T	T7540	810-34
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75402	NEC	μPD75402	329-30
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75407	TI	SN75407	610-7
75408	TI	SN75408	610-26
7541	**AD**	**AD7541A**	* **3312**
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		PM7541B	569-37
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	Burr-Brown	**DAC7541AJ**	* **3418**
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	Harris	AD7541A	569-9
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		AD7541L	570-2
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	Maxim	MX7541A	569-11
		MX7541AA	569-12
		MX7541AB	562-46
		MX7541AJ	569-13
		MX7541AK	562-47
		MX7541AS	569-14
		MX7541AT	562-48
		MX7541B	562-49
		MX7541J	569-15
		MX7541K	563-1
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	MicroPwr	MP7541A	569-17
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		MP7541AJ	569-45
		MP7541AK	563-42
		MP7541AS	569-46
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	Signal Proc	HDAC7541ZAC	561-47
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	TeledyneC	TP7541A	570-4
		TP7541B	564-25
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		TP7541S	570-6
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7542	**AD**	**AD7542A**	* **3312**
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		PM7542E	* **3312**
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		PM7542F	* **3312**
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		PM7542G	* **3312**
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		PM7542H	* **3312**
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	Maxim	MX7542A	570-39
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		MX7542GB	565-21
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		MX7542GT	565-23
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		TS7542	819-50
	Signal Proc	HDAC7542AAC	561-50
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		HDAC7542ABC	568-37
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7543	**AD**	**AD7543A**	* **3312**
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		PM7543A	* **3312**
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		PM7543E	* **3312**
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		PM7543F	* **3312**
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	Maxim	MX7543A	570-42
		MX7543B	565-26
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		MX7543GT	565-29
		MX7543J	570-43
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	MicroPwr	MP7543A	569-22
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	Signal Proc	HDAC7543AAC	562-2
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75435	TI	SN75435	610-156
75436	TI	SN75436	610-142
75437	TI	SN75437A	610-143
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75440	TI	SN75440	610-145
754410	TI	SN754410	607-123
754411	TI	SN754411	607-124
75446	TI	SN75446	609-109
75447	TI	SN75447	609-122
75448	TI	SN75448	610-27
75449	TI	SN75449	610-8
7545	**AD**	**AD7545A**	* **3313**
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		AD7545GU	* **3313**
			560-3
		AD7545J	* **3313**
			571-29
		AD7545K	* **3313**
			568-15
		AD7545L	* **3313**
			560-4
		AD7545S	* **3313**
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		AD7545T	* **3313**
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		PM7545A	* **3313**
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		PM7545B	* **3313**
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		PM7545F	* **3313**
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		PM7545G	* **3313**
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		MX7545K	570-32
		MX7545L	565-10
		MX7545S	572-4
		MX7545T	570-33
		MX7545U	565-11
	MicroPwr	MP7545A	572-9
		MP7545B	570-48
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		MP7545GL	565-13
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		MP7545L	565-39
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		MP7545U	565-40
	Signal Proc	HDAC7545AAC	562-5
		HDAC7545AAI	562-6
		HDAC7545AAM	
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75453	National	DS75453	610-20
	SiliconG	SG75453B	610-52
	TI	SN75453B	610-28
75454	National	DS75454	610-1
	SiliconG	SG75454B	610-48
	TI	SN75454B	610-9
75458	Toshiba	TA75458	769-
7546	AD	AD7546A	576-7
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75460	SiliconG	SG75460	609-93
75461	National	DS75461	609-87
	SiliconG	SG75461	609-94
	TI	SN75461	609-99
75462	National	DS75462	609-117
	SiliconG	SG75462	609-119
	TI	SN75462	609-124
75463	National	DS75463	610-21
	SiliconG	SG75463	610-23
	TI	SN75463	610-29
75464	National	DS75464	610-2
	SiliconG	SG75464	610-4
75465	TI	SN75465	609-8
75466	TI	SN75466	609-9
75467	TI	SN75467	609-10
75468	TI	SN75468	609-6
75469	TI	SN75469	609-7
7547	**AD**	**AD7547A**	* **3318**
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		AD7547J	* **3318**
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	Maxim	MX7547	570-28
		MX7547A	570-25
		MX7547B	564-47
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		MX7547J	570-26
		MX7547K	564-49
		MX7547L	564-50
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		MX7547T	564-51
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75471	SiliconG	SG75471	610-41
	TI	SN75471	609-100
75472	SiliconG	SG75472	610-45
	TI	SN75472	609-125
75473	SiliconG	SG75473	610-53
	TI	SN75473	610-30
75474	SiliconG	SG75474	610-49
75476	TI	SN75476	609-101
75477	TI	SN75477	609-131
75478	TI	SN75478	610-36
75479	TI	SN75479	610-15
7548	**AD**	**AD7548J**	* **3313**
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	Maxim	MX7548A	569-53
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		MX7548K	564-1
		MX7548S	570-
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7549	**AD**	**AD7549J**	* **3318**
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75491	National	DS75491	583-90
75492	National	DS75492	583-115
75493	National	DS75493	583-91
75494	National	DS75494	583-116
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7550	AD	AD7550B	536-15
	MicroPwr	MP7550B	536-14
	Sanyo	LA7550	723-96
75500	TI	SN75500E	580-2
75501	TI	SN75501E	584-89
75512	NEC	μPD75512	331-11
	TI	SN75512B	584-50
75513	TI	SN75513B	582-69
75514	TI	SN75514	584-48
75516	NEC	μPD75516	331-21
75517	NEC	μPD75517	327-25
75518	NEC	μPD75518	327-28
	TI	SN75518	584-92
7552	AD	AD7552	535-39
7554	NEC	μPD7554A	329-9
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7555	Harris	ICM7555	820-56
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	Holt	HI-7555	820-8
	Maxim	ICM7555	820-58
	Sanyo	LC7555	824-123
75551	TI	SN75551	580-68
75552	TI	SN75552	580-59
75553	TI	SN75553	580-65
75554	TI	SN75554	580-56
75555	TI	SN75555	580-52
75556	TI	SN75556	580-53
75557	TI	SN75557	580-69
	Toshiba	TA75557	763-36
75558	TI	SN75558	580-70
	Toshiba	TA75558	763-37
75559	Toshiba	TA75559	763-38
7556	Harris	ICM7556	820-79
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75563	TI	SN75563A	580-73
75564	TI	SN75564A	580-74
75567	TI	SN75567	584-90
75568	TI	SN75568	584-91
75581	TI	SN75581	583-126
7561	Sanyo	STK7561	800-121
7562	Sanyo	STK7562	800-122
7563	National	DM7563	169-68
	Sanyo	STK7563	800-123
		STK7563F	800-119
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7564	NEC	μPD7564A	329-10
7565	Sanyo	STK7565	800-124
7566	NEC	μPD7566A	329-14
7568	**AD**	**AD7568**	* **3318**
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757	**AD**	**757**	* **3345**
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7570	AT&T	T7570	810-39
7571	AD	AD7571J	522-12
		AD7571K	521-12
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7572	**AD**	**AD7572A**	* **3322**
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		AD7572J	* **3322**
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	Maxim	MX7572	524-44
	Signal Proc	HADC7572	524-18
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	Maxim	MX7572A05	532-28
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	AD	PM7572A12	526-16
	Maxim	MX7572A12	533-30
7572B05			
	Maxim	MX7572B05	532-29
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	Maxim	MX7572B12	533-31
7572C05			
	Maxim	MX7572C05	524-45
7572C12			
	Maxim	MX7572C12	526-19
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	AD	PM7572E12	526-17
7572FS05			
	AD	PM7572FS05	532-23
7572FS12			
	AD	PM7572FS12	533-28
7572F05			
	AD	PM7572F05	532-24
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	AD	PM7572F12	533-29
7572J05			
	Maxim	MX7572J05	532-30
7572J12			
	Maxim	MX7572J12	533-32
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	Maxim	MX7572K05	532-31
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	Maxim	MX7572S12	533-34
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	Maxim	MX7572T05	532-33
7572T12			
	Maxim	MX7572T12	533-35
7572U05			
	Maxim	MX7572U05	524-47
7572U12			
	Maxim	MX7572U12	526-21
7573	AD	ADC7573	532-6
	Sanyo	LC7573M	582-65
7574	**AD**	**AD7574A**	* **3322**
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		AD7574S	* **3322**
			516-9
		AD7574T	* **3322**
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		PM7574A	* **3322**
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		PM7574B	* **3322**
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		PM7574E	* **3322**
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		PM7574F	* **3322**
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		PM7574G	* **3322**
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		PM7574H	* **3322**
			516-20
	Maxim	MX7574A	516-10
		MX7574B	514-27
		MX7574J	516-11
		MX7574K	514-28
		MX7574S	516-12
		MX7574T	514-29
	MicroPwr	MP7574A	516-13
		MP7574B	516-14
		MP7574J	516-15
		MP7574K	516-16
		MP7574S	516-30
		MP7574T	516-17
	Sanyo	LC7574E/W	582-66
7575	**AD**	**AD7575J**	* **3320**
			517-49
		AD7575K	* **3320**
			513-37
	Maxim	MX7575A	517-52
		MX7575B	513-43
		MX7575J	518-1
		MX7575K	513-44
		MX7575S	518-2
		MX7575T	513-45
7576	**AD**	**AD7576A**	* **3322**
			519-6
		AD7576B	* **3322**
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		AD7576J	* **3322**
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		AD7576K	* **3322**
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		AD7576S	* **3322**
			518-15
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	Maxim	MX7576A	518-16
		MX7576B	514-10
		MX7576J	518-17
		MX7576K	514-11
		MX7576S	518-18
		MX7576T	514-12
7578	**AD**	**AD7578K**	* **3322**
			535-25
		AD7578T	* **3322**
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Hearst Engineering Software

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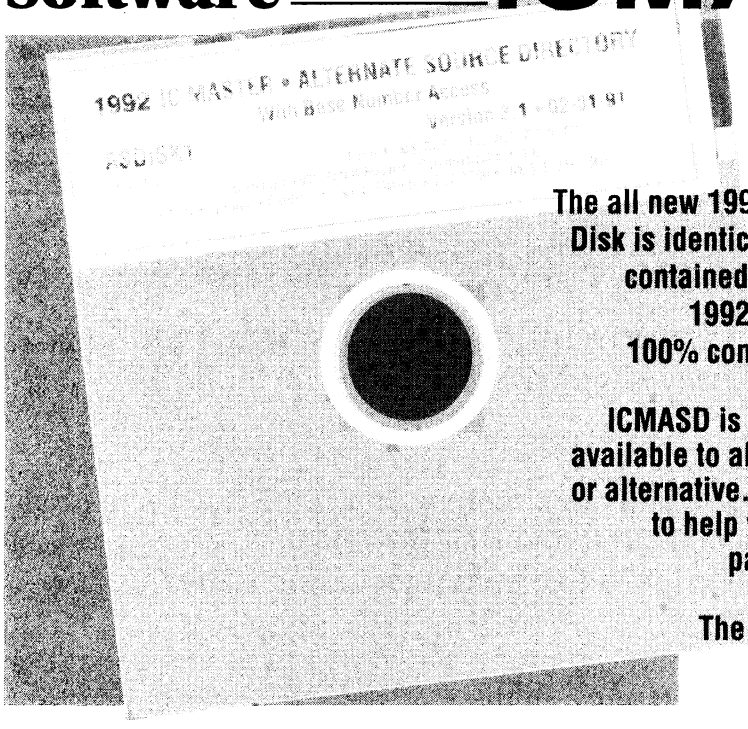

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MILITARY PARTS DIRECTORY

This section is divided into three parts: (1) Military Device Testing for manufacturers able to perform various levels of screening, and (2) MIL-STD-1562 directories for microcircuits considered to be the most acceptable for military applications.

Military Device Testing lists the manufacturers who screen devices to MIL-STD-883, as well as devices that are radiation hardened. It also shows companies currently qualified to supply devices on the Qualified Parts List (QPL).

MIL-STD-1562 contains four tables. To make the best part selection for a military application, begin by looking up the Generic Industry Number, the MIL-M-38510/, or the DESC/MIL Drawing Number in the CROSS REFERENCES. You will be directed to one of the preceding tables by Table Number and Section to the best possible selection candidate.

Table I — Preferred Devices. All devices in this table have a dated military specification and a QPL source (Part I or Part II). These devices have no known reliability or availability problems and are recommended and preferred.

Table II — Potential Standardization Candidates. Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military (DESC) Drawing. This able also includes devices that have dated military specifications but as yet have no QPL source. These devices should be considered for use in systems or equipment designs if a QPL source is anticipated.

Table III — Logistics or Continuous Replacement Only. This table contains devices that are not recommended for new designs because of diminished sources or obsolete technology, or because a preferred device listed in Tables I and II is now available which performs the same function.

Table IV — Inactive or Suspended MIlitary Activity. This table contains devices that are not recommended for a new design. It also includes devices with a QPL status that has been cancelled or expired and there is no indication that a device manufacturer intends to requalify.

CROSS REFERENCES — (NATO status: NATO-P - NATO Preferred Device, NATO-G = NATO Guidance Device, NATO-F = NATO Future Device, NATO-L = NATO Logistic/Maintenance Device.

	MIL-M-38510 QPL					MIL-STD-883 SCREENING		OTHER SCREENING		
MANUFACTURER	MEMORY	LINEAR	TTL	OTHER BIPOLAR	CMOS	CLASS B	CLASS S	MILITARY	INDUSTRIAL	RADIATION HARDENED
Advanced Analog						x	x	x	x	x
Advanced Linear Devices						x		x	x	
Advanced Micro Devices						x		x	x	
Allegro Microsystems						x		x	x	
Altera						x		x	x	
Analog Devices		x		x	x	x	x	x	x	x
Analog Systems						x		x	x	
Apex Microtechnology						x		x	x	
Applied Micro Circuits						x	x	x	x	x
Aptek Microsystems						x		x	x	
Atmel Corp.						x	x	x	x	
Avasem Corp.								x	x	
Burr-Brown		x				x	x	x	x	x
Catalyst Semiconductor						x		x	x	
Cherry Semiconductor									x	
Comlinear Corp.						x	Limited	x	x	
Crystal Semiconductor						x		x	x	
Custom Arrays Corp.						x		x	x	
Cypress Semiconductor	x				x	x	x	x	x	Rad. Tol.
Datel						x	Limited	x	x	
Dense-Pac Microsystems						x		x	x	Rad. Tol.
Dionics Inc.				x		x		x	x	
EG&G Reticon						x		x	x	
Elantec						x	x	x	x	x
EXEL Microelectronics						x	Limited	x	x	
Fujitsu Microelectronics						x			x	
Gennum Corp.						x	x	x	x	
Gould AMI						x	Limited	x	x	
Harris Semiconductor	x	x		x	x	x	x	x	x	x
Harris Microwave Semiconductor			x			x	x	x		
Holt Integrated Circuits Inc.						x	x	x	x	
Honeywell Solid State Elec.						x	x	x	x	x
Hughes Aircraft						x	x	x	x	x
ILC Data Device Corp.						x	x	x	x	x
Inmos Corp.										
Inova Microelectronics	x					x		x	x	
Integrated Device Technology						x		x	x	x
Intel Corp.	x			µP		x		x	x	
Int'l Microcircuits			x		x	x	Limited	x	x	x
Int'l Microelectronic Products						x		x	x	
Intronics						x		x	x	
IXYS Corp.								x	x	
Lattice Semiconductor					x	x			x	Rad. Tol.
Linear Integrated Systems						x		x	x	x
Linear Technology Corp.		x				x	x	x	x	x
Logic Devices										
Logical Solutions					x	x		x	x	
LSI Computer Systems						x	x	x	x	
LSI Logic						x	x	x	x	x
Maxim Integrated Products						x		x	x	
Micrel						x	x	x	x	x
Microchip Technology Inc.						x		x	x	
Micro Networks						x	x	x	x	
Micro Linear		x	x	x		x		x	x	x

MANUFACTURER	MIL-M-38510 QPL					MIL-STD-883 SCREENING		OTHER SCREENING		RADIATION HARDENED
	MEMORY	LINEAR	TTL	OTHER BIPOLAR	CMOS	CLASS B	CLASS S	MILITARY	INDUSTRIAL	
Micro Power Systems						x	x	x	x	x
Micron Technology Inc.	x					x	x	x		
Mitel Semiconductor						x		x	x	
Mosaic						x		x	x	x
Motorola Semiconductor	x	x	x	x	x	x	x	x	x	
MX-COM						x		x	x	
National Semiconductor	x	x	x	x	x	x	x	x	x	x
NCM Corp.					x	x		x	x	x
NCR Microelectronics										
Newbridge Microsystems						x		x	x	
Optical Electronics Inc.		x		x		x		x	x	
Performance Semiconductor						x		x	x	
Proxim, Inc.						x	Limited	x	x	
Qualcomm						x	x	x	x	x
Raytheon Semiconductor	x	x	x	x		x	x	x	x	x
Rochester Electronics Inc.								x	x	
Rockwell International						x		x		
SemTech Corpus Christi									x	
Signal Processing Technologies		x		x	x	x		x	x	
Signetics	x	x	x			x	x	x	x	
Silicon General		x		x	x	x	x	x	x	x
Siliconix						x		x	x	
Sipex		x		x	x	x	x	x	x	x
Solitron		x				x	x	x	x	
Space Research Tech, Inc.					x	x		x	x	
Standard Microsystems Corp.						x	x	x	x	
STC Semiconductors						x	Limited	x	x	
Technitrol						x		x	x	
Teledyne Components						x	x	x	x	
Texas Instruments	x	x	x	x		x	x	x	x	
TriQuint						x	x	x	x	
TRW LSI						x		x	x	
Unitrode Corp.		x		x		x	x	x	x	
United Tech Micro Ctr.	x				x	x	x	x		x
Vitesse Semiconductor						x	x	x	x	
VLSI Technology Inc.						x		x	x	
Xicor		x			x	x	Limited	x	x	
Xilinx						x		x	x	

EXPLANATION:

The "MIL-M-38510" section indicates the IC manufacturers currently providing Q.P.L. ICs. More detailed information on the specific devices is given in the Qualified Products Listings which are at the end of this section.

The "MIL-STD-883 Screening" section lists those manufacturers who are both set up and actively want to screen devices to the levels indicated.

"Other Screening" shows those who report that they want business calling for special military and industrial environmental screening procedures.

MILITARY PARTS

TABLE I- Preferred Devices (MIL-STD-1562)

Gates 1/

Generic/ industry number	MIL-M-38510/	Circuit description
10501	06001	OR/NOR GATE, QUAD 2-INPUT
10502	06002	NOR-OR/NOR GATE
10504	06201	AND/NAND GATE, QUAD 2-INPUT
10505	06003	OR/NOR GATE, TRIPLE 2-3-2 INPUT
10506	06004	NOR GATE, TRIPLE 3-4-3 INPUT
10507	06005	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT
10509	06006	OR/NOR GATE, DUAL 4-5 INPUT
10597	06202	AND GATE, HEX
54F00	33001	NAND GATE, QUAD 2-INPUT
54ALS00A	37001	NAND GATE, QUAD 2-INPUT
54HC00	65001	NAND GATE, QUAD 2-INPUT
54LS00	30001	NAND GATE, QUAD 2-INPUT
54AC00	75001	NAND GATE, QUAD 2-INPUT
54LS02	30301	NOR GATE, QUAD 2-INPUT
54ALS02	37301	NOR GATE, QUAD 2-INPUT
54HC02	65101	NOR GATE, QUAD 2-INPUT
54F02	33301	NOR GATE, QUAD 2-INPUT
54AC02	75101	NOR GATE, QUAD 2-INPUT
54LS03	30002	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54HC04	65701	HEX INVERTER
54ALS04B	37006	HEX INVERTER
54F04	33002	HEX INVERTER
54LS04	30003	HEX INVERTER
54HCT04	65751	HEX INVERTER, TTL-COMPATIBLE INPUTS
54AC04	75701	HEX INVERTER
54LS05	30004	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS
54LS08	31004	AND GATE, QUAD 2-INPUT
54ALS08	37401	AND GATE, QUAD 2-INPUT
54HC08	65203	AND GATE, QUAD 2-INPUT
54F08	34001	AND GATE, QUAD 2-INPUT
54AC08	75203	AND GATE, QUAD 2-INPUT
54LS09	31005	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54HC10	65002	NAND GATE, TRIPLE 3-INPUT
54F10	33003	NAND GATE, TRIPLE 3-INPUT
54LS10	30005	NAND GATE, TRIPLE 3-INPUT
54ALS10	37002	NAND GATE, TRIPLE 3-INPUT
54AC10	75002	NAND GATE, TRIPLE 3-INPUT
54F11	34002	AND GATE, QUAD 2-INPUT
54HC11	65204	AND GATE, TRIPLE 3-INPUT
54LS11	31001	AND GATE, TRIPLE 3-INPUT
54ALS11	37402	AND GATE, TRIPLE 3-INPUT
54AC11	75204	AND GATE, TRIPLE 3-INPUT
54LS12	30006	NAND GATE, TRIPLE 3-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54LS13	31301	NAND GATE, DUAL 4-INPUT, SCHMITT TRIGGER
54HC132	65005	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER
54LS132	31303	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER
54ALS133	37005	NAND GATE, 13-INPUT
54HC14	65702	HEX INVERTER, SCHMITT TRIGGER
54LS14	31302	HEX INVERTER, SCHMITT TRIGGER
54AC14	75702	HEX INVERTER, SCHMITT TRIGGER
54LS15	31002	AND GATE, TRIPLE 3-INPUT, WITH OPEN-COLLECTOR INPUTS
54LS20	30007	NAND GATE, DUAL 4-INPUT
54ALS20A	37003	NAND GATE, DUAL 4-INPUT
54HC20	65003	NAND GATE, DUAL 4-INPUT
54F20	33004	NAND GATE, DUAL 4-INPUT
54AC20	75003	NAND GATE, DUAL 4-INPUT
54LS21	31003	AND GATE, DUAL 4-INPUT
54LS22	30008	NAND GATE, DUAL 4-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54LS26	32102	NAND GATE, QUAD 2-INPUT, HIGH-VOLTAGE, WITH OPEN-COLLECTOR OUTPUTS
54HC266	65103	EXCLUSIVE-NOR GATE, QUAD 2-INPUT (OPEN DRAIN OUTPUT)
54LS266	30303	EXCLUSIVE-NOR GATE, QUAD 2-INPUT
54HC27	65102	NOR GATE, TRIPLE 3-INPUT
54ALS27	37302	NOR GATE, TRIPLE 3-INPUT
54LS27	30302	NOR GATE, TRIPLE 3-INPUT
54HC30	65004	NAND GATE, 8-INPUT
54LS30	30009	NAND GATE, 8-INPUT
54ALS30A	37004	NAND GATE, 8-INPUT
54F32	33501	OR GATE, QUAD 2-INPUT
54ALS32	37501	OR GATE, QUAD 2-INPUT
54HC32	65201	OR GATE, QUAD 2-INPUT
54LS32	30501	OR GATE, QUAD 2-INPUT
54AC32	75201	OR GATE, QUAD 2-INPUT
54HC4002	65104	NOR GATE, DUAL 4-INPUT
54LS51	30401	AND-OR-INVERT GATE, DUAL 2-WIDE
54LS54	30402	AND-OR-INVERT GATE
54F64	33401	AND-OR-INVERT GATE, 4-2-2-2 INPUT
54LS86	30502	EXCLUSIVE-OR GATE, QUAD 2-INPUT
54HC86	65202	EXCLUSIVE-OR GATE, QUAD 2-INPUT
54F86	34501	EXCLUSIVE-OR GATE, QUAD 2-INPUT
54AC86	75202	EXCLUSIVE-OR GATE, QUAD 2-INPUT

Buffers 2/

Generic/ industry number	MIL-M-38510/	Circuit description
10524	06301	VOLT. LEVEL SHIFTER, TTL TO ECL, QUAD
10525	06302	VOLT. LEVEL SHIFTER, ECL TO TTL, QUAD
5406	00801	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS
5407	00803	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS
54ALS1000A	38401	BUFFER/DRIVER, NAND, QUAD 2-INPUT
54ALS1002	38402	BUFFER/DRIVER, NOR, QUAD 2-INPUT
54ALS1020	38407	BUFFER/DRIVER, NAND, DUAL 4-INPUT
54ALS1034	38411	BUFFER/DRIVER, HEX, NONINVERTING
54LS125A	32301	BUFFER/DRIVER, QUAD, NONINVERTING, WITH THREE-STATE OUTPUTS
54LS126	32302	BUFFER/DRIVER, QUAD, NONINVERTING, WITH THREE-STATE OUTPUTS
54HC240	65703	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54HCT240	65753	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54LS240	32401	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54F240	33201	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54ALS240A	38301	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54AC240	75703	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54LS241	32402	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54HC241	65704	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54ALS241	38302	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54F241	33202	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54AC241	75704	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54LS244	32403	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54ALS244A	38303	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54HC244	65705	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS

All devices in this table have a dated military specification and a QPL source (part I or part II). These devices have no known reliability or availability problems and are recommended and preferred.)

MILITARY PARTS
TABLE I- Preferred Devices (MIL-STD-1562)(Cont'd)

Generic/ industry number	MIL-M-38510/	Circuit description
Buffers 2/ (continued)		
54HCT244	65755	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54F244	33203	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54AC244	75705	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54ALS28	38402	BUFFER/DRIVER, NOR, QUAD 2-INPUT
54LS28	30204	BUFFER/DRIVER, NOR, QUAD 2-INPUT
54HC365	65706	BUFFER/DRIVER, HEX, NONINVERTING, WITH THREE-STATE OUTPUTS
54LS365	32201	BUFFER/DRIVER, HEX, NONINVERTING, WITH THREE-STATE OUTPUTS
54F365	35101	BUFFER/DRIVER, HEX, NONINVERTING, WITH THREE-STATE OUTPUTS
54LS366	32202	BUFFER/DRIVER, HEX, INVERTING, WITH THREE-STATE OUTPUTS
54HC367	65708	BUFFER/DRIVER, HEX, NONINVERTING, WITH THREE-STATE OUTPUTS
54LS367	32203	BUFFER/DRIVER, HEX, NONINVERTING, WITH THREE-STATE OUTPUTS
54HC368	65709	BUFFER/DRIVER, HEX, INVERTING, WITH THREE-STATE OUTPUTS
54ALS37	38401	BUFFER/DRIVER, NAND, QUAD 2-INPUT
54LS37	30202	BUFFER/DRIVER, NAND, QUAD 2-INPUT
54LS38	30203	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54F38	35202	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54LS40	30201	BUFFER/DRIVER, NAND, DUAL 4-INPUT
54ALS40	38407	BUFFER/DRIVER, NAND, DUAL 4-INPUT
54LS540	32404	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54HC540	65710	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54F540	33204	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54HC541	65711	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54LS541	32405	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54HCT541	65761	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
Flip-Flops 3/		
10531	06101	FLIP-FLOP, D-TYPE, DUAL
10535	06104	FLIP-FLOP, JK, DUAL
10576	06103	FLIP-FLOP, D-TYPE, HEX
10631	06102	FLIP-FLOP, D-TYPE, DUAL
54F074	34101	FLIP-FLOP, D-TYPE, DUAL
54LS107	30108	FLIP-FLOP, JK, DUAL
54LS109	30109	FLIP-FLOP, JK, DUAL
54F109	34102	FLIP-FLOP, JK, DUAL
54HC109	65304	FLIP-FLOP, JK, DUAL
54ALS109A	37102	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE HIGH)
54LS112	30103	FLIP-FLOP, JK, DUAL
54F112	34103	FLIP-FLOP, JK, DUAL
54HC112	65305	FLIP-FLOP, JK, DUAL, WITH SET AND RESET
54ALS112A	37103	FLIP-FLOP, JK, DUAL, WITH CLEAR AND PRESET (ACTIVE LOW)
54LS113	30104	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR
54LS114	30105	FLIP-FLOP, JK, DUAL, WITH PRESET
54LS122	31403	MULTIVIBRATOR, MONOSTABLE RETRIGGERABLE WITH CLEAR
54LS123	31401	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE WITH CLEAR
54LS173A	36101	FLIP-FLOP, D-TYPE, QUAD
54HC173	65306	FLIP-FLOP, D-TYPE, QUAD, WITH THREE-STATE OUTPUTS
54HC174	65307	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR
54F174	34107	FLIP-FLOP, D-TYPE, HEX
54ALS174	37201	FLIP-FLOP, D-TYPE, HEX, WITH CLEAR
54LS174	30106	FLIP-FLOP, D-TYPE, HEX
54HC175	65308	FLIP-FLOP, D-TYPE, QUAD
54ALS175	37202	FLIP-FLOP, D-TYPE, QUAD, WITH CLEAR
54F175	34104	FLIP-FLOP, D-TYPE, QUAD
54LS175	30107	FLIP-FLOP, D-TYPE, QUAD
54LS221	31402	MULTIVIBRATOR, DUAL MONOSTABLE, WITH SCHMITT-TRIGGER INPUTS AND CLEAR
54LS259B	31605	LATCH, 8-BIT ADDRESSABLE
54HC259	65402	LATCH, 8-BIT ADDRESSABLE
54LS259	31603	LATCH, 8-BIT ADDRESSABLE
54LS273	32501	FLIP-FLOP, D-TYPE, OCTAL, WITH CLEAR
54HC273	65601	FLIP-FLOP, D-TYPE, OCTAL, WITH CLEAR
54AC273	75601	FLIP-FLOP, D-TYPE, OCTAL, WITH CLEAR
54LS279	31602	LATCH, RS, 4-BIT
54HC373	65403	LATCH, D-TYPE, 8-BIT, WITH THREE-STATE OUTPUTS
54LS373	32502	LATCH, D-TYPE, 8-BIT, WITH THREE-STATE OUTPUTS
54HCT373	65453	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH TTL-COMPATIBLE INPUTS AND 3-STATE OUTPUTS
54F373	34601	LATCH, D-TYPE, 8-BIT, WITH THREE-STATE OUTPUTS
54ALS373	37203	FLIP-FLOP, D-TYPE, OCTAL, WITH TRANSPARENT LATCH AND THREE-STATE OUTPUTS
54AC373	75403	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH THREE-STATE OUTPUTS
54HCT374	65652	FLIP-FLOP, D-TYPE, OCTAL, WITH NONINVERTING THREE-STATE OUTPUTS
54F374	34105	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54HC374	65602	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54LS374	32503	FLIP-FLOP, D-TYPE, OCTAL, POSITIVE EDGE-TRIGGERED, WITH THREE-STATE OUTPUTS
54ALS374	37204	FLIP-FLOP, D-TYPE, OCTAL, EDGE-TRIGGERED, WITH THREE-STATE OUTPUTS
54AC374	75602	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54LS375	31604	LATCH, 4-BIT, BISTABLE
54LS377	32504	FLIP-FLOP, D-TYPE, OCTAL
54F379	34109	FLIP-FLOP, D-TYPE, QUAD
54F533	34602	LATCH, D-TYPE, 8-BIT, WITH THREE-STATE OUTPUTS
54F534	34106	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54F563	34603	LATCH, D-TYPE, 8-BIT, WITH THREE-STATE OUTPUTS
54F573	34604	LATCH, D-TYPE, 8-BIT, WITH THREE-STATE OUTPUTS
54ALS573	38201	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH THREE-STATE OUTPUTS
54HC573	65406	LATCH, D-TYPE, 8-BIT, WITH THREE-STATE OUTPUTS
54HC574	65604	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54ALS574A	37104	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54LS73	30101	FLIP-FLOP, JK, DUAL
54HC74	65302	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR
54LS74A	30102	FLIP-FLOP, D-TYPE, DUAL
54ALS74A	37101	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED

All devices in this table have a dated military specification and a QPL source (part I or part II). These devices have no known reliability or availability problems and are recommended and preferred.)

MILITARY PARTS

TABLE I- Preferred Devices (MIL-STD-1562) (Cont'd)

Generic/ industry number	MIL-M-38510/	Circuit description
Flip-Flops 3/ (continued)		
54AC74	75302	FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET
54HCT74	65352	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR WITH LSTTL-COMPATIBLE INPUTS
54LS75	31601	LATCH, 4-BIT, BISTABLE
54LS76A	30110	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED
Combinational gates 4/		
54LS138	30701	DECODER, 3-LINE-TO-8-LINE
54HCT138	65852	DECODER, 3-LINE-TO-8-LINE
54F138	33701	DECODER, 3-TO-8-LINE
54HC138	65802	DECODER, 3-LINE-TO-8-LINE
54ALS138	37701	DECODER/DEMULTIPLEXER, 3-LINE-TO-8-LINE
54AC138	75802	DECODER/DEMULTIPLEXER, 3-LINE-TO-8-LINE
54HC139	65803	DECODER, DUAL 2-LINE-TO-4-LINE
54F139	33702	DECODER, DUAL 2-LINE-TO-4-LINE
54LS139	30702	DECODER, DUAL 2-LINE-TO-4-LINE
54LS148	36001	PRIORITY ENCODER, 8-LINE-TO-3-LINE
54LS151	30901	DATA SEL/MULTIPLEXER, 8-INPUT
54F151A	33901	DATA SEL/MULTIPLEXER, 8-INPUT
54AC151	76201	DATA SEL/MULTIPLEXER, 8-INPUT
54LS153	30902	DATA SEL/MULTIPLEXER, DUAL 4-INPUT
54F153	33902	DATA SEL/MULTIPLEXER, DUAL 4-INPUT
54AC153	76202	DATA SEL/MULTIPLEXER, DUAL 4-INPUT
54LS155	32601	DECODER, DUAL 2-LINE-TO-4-LINE
54LS156	32602	DECODER, DUAL 2-LINE-TO-4-LINE, WITH OPEN-COLLECTOR OUTPUTS
54F157A	33903	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54LS157	30903	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54AC157	76203	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54LS158	30904	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE
54F158A	33904	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54HC158B	66204	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH INVERTED OUTPUTS
54F181	33801	ALU/FUNCTION GENERATOR, 4-BIT
54LS181	30801	ALU/FUNCTION GENERATOR, 4-BIT
54F182	33802	LOOK AHEAD CARRY GENERATOR
54F251A	33905	DATA SEL/MULTIPLEXER, 8-INPUT, WITH THREE-STATE OUTPUTS
54LS251	30905	DATA SEL/MULTIPLEXER, 8-INPUT, WITH THREE-STATE OUTPUTS
54F253	33908	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH THREE-STATE OUTPUTS
54LS253	30908	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH THREE-STATE OUTPUTS
54F257A	33906	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS
54LS257B	30906	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE AND THREE-STATE OUTPUTS
54F258A	33907	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS
54LS258B	30907	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS, WITH ENABLE
54F280	34901	PARITY GENERATOR/CHECKER, 9-BIT
54LS280	32901	PARITY GENERATOR/CHECKER, 9-BIT
54F283	34201	ADDER, 4-BIT FULL
54LS283	31202	ADDER, 4-BIT FULL, WITH FAST CARRY
54LS298	30909	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH STORAGE
54LS348	36002	PRIORITY ENCODER, 8-LINE-TO-3-LINE, TS
54F352	33909	DATA SEL/MULTIPLEXER, DUAL 4-INPUT
54F353	33910	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH THREE-STATE OUTPUTS
54F381	33803	ARITHMETIC LOGIC UNIT, 4-BIT
54F382	33804	ALU/FUNCTION GENERATOR, 4-BIT
54F398	35001	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE
54F399	35002	MULTIPLEXER, QUAD 2-INPUT, W/STORAGE
54LS42	30703	DECODER, BCD-TO-DECIMAL
54LS47	30704	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS
54F521	34701	IDENTITY COMPARATOR, 8-BIT
54LS83A	31201	ADDER, 4-BIT FULL WITH FAST CARRY
54LS85	31101	MAGNITUDE COMPARATOR, 4-BIT
54ALS857A	37901	DATA SEL/MULTIPLEXER, HEX 2-INPUT, WITH THREE-STATE OUTPUTS
Sequential registers/counters 5/		
54LS160A	31503	DECADE COUNTER, 4-BIT SYNCHRONOUS
54F160A	34401	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD
54LS161	31504	BINARY COUNTER, 4-BIT SYNCHRONOUS
54F161A	34301	BINARY COUNTER, 4-BIT SYNCHRONOUS
54ALS161B	38001	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR
54HC161	66302	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS CLEAR
54LS162A	31511	DECADE COUNTER, 4-BIT SYNCHRONOUS
54F162A	34402	DECADE COUNTER, 4-BIT SYNCHRONOUS
54ALS163B	38002	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR
54LS163A	31512	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR
54F163A	34302	BINARY COUNTER, 4-BIT SYNCHRONOUS
54HC163	66304	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR
54LS164	30605	SHIFT REGISTER, 8-BIT PARALLEL-OUT
54HC164	66501	SHIFT REGISTER, 8-BIT, SERIAL-IN/PARALLEL-OUT
54LS165A	30608	SHIFT REGISTER, 8-BIT PARALLEL LOAD
54HC165	66502	SHIFT REGISTER, 8-BIT PARALLEL-IN SERIAL-OUT
54LS166	30609	SHIFT REGISTER, 8-BIT PARALLEL-INPUT, WITH CLEAR
54ALS169B	38003	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN
54LS190	31513	BCD COUNTER, 4-BIT SYNCHRONOUS, WITH MODE CONTROL
54F190	34403	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN
54LS191	31509	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH DOWN/UP MODE CONTROL
54F192	34404	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN
54LS192	31507	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN, WITH CLEAR ENABLE
54LS193	31508	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN
54F193	34304	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/DOWN
54F194	33601	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL, CASCADABLE
54LS194A	30601	SHIFT REGISTER, 4-BIT BIDIRECTIONAL
54LS195A	30602	SHIFT REGISTER, 4-BIT PARALLEL ACCESS
54LS197	32002	DECADE/BINARY COUNTER, PRESETTABLE, 50/30-MHZ
54LS290	32003	DECADE COUNTER, 4-BIT
54LS293	32004	BINARY COUNTER, 4-BIT
54LS295B	30606	SHIFT REGISTER, 4-BIT BIDIRECTIONAL, TS
54AC299	76506	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS
54LS390	32701	DECADE COUNTER, DUAL 4-BIT, WITH A AND B INPUTS

All devices in this table have a dated military specification and a QPL source (part I or part II). These devices have no known reliability or availability problems and are recommended and preferred.)

MILITARY PARTS
TABLE I- Preferred Devices (MIL-STD-1562)(Cont'd)

Generic/ industry number	MIL-M-38510/	Circuit description
Sequential registers/counters 5/ (continued)		
54LS393	32702	BINARY COUNTER, DUAL 4-BIT
54HC393	66309	BINARY COUNTER, DUAL 4-BIT
54LS395A	30607	SHIFT REGISTER, 4-BIT UNIVERSAL, TS
54LS490	32703	DECADE COUNTER, DUAL
54LS670	31901	REGISTER FILE, 4 X 4, THREE-STATE OUTPUTS
54LS90	31501	DECADE COUNTER, 4-BIT
54LS92	31510	COUNTER, DIVIDE-BY-12
54LS93	31502	DECADE COUNTER, 4-BIT
54LS95B	30603	SHIFT REGISTER, 4-BIT PARALLEL ACCESS
54LS96	30604	SHIFT REGISTER, 5-BIT
RAM 6/		
MT1257-12	24601	DYNAMIC RAM, 256K X 1
MT1257-15	24602	DYNAMIC RAM, 256K X 1
MT1259-12	24603	DYNAMIC RAM, 256K X 1
MT1259-15	24604	DYNAMIC RAM, 256K X 1
2147	23801	STATIC RAM, 4K X 1, WITH THREE-STATE OUTPUTS
2147H	23803	STATIC RAM, 4K X 1
2147	28903	STATIC RAM, 4K X 1, WITH THREE-STATE OUTPUTS
2147H-2	23807	STATIC RAM, 4K X 1
2147H-3	23805	STATIC RAM, 4K X 1
2148H	23806	STATIC RAM, 1K X 4
2148	28904	STATIC RAM, 1K X 4, WITH THREE-STATE OUTPUTS
4C1024-100	24902	DYNAMIC RAM, 1024K X 1
4C1024-120	24903	DYNAMIC RAM, 1024K X 1
4C1024-150	24904	DYNAMIC RAM, 1024K X 1
4C1024-80	24901	DYNAMIC RAM, 1024K X 1
411024-100	24902	DYNAMIC RAM, 1024K X 1
411024-120	24903	DYNAMIC RAM, 1024K X 1
411024-150	24904	DYNAMIC RAM, 1024K X 1
411024-80	24901	DYNAMIC RAM, 1024K X 1
M41256N-12	24603	DYNAMIC RAM, 256K X 1
M41256P-12	24601	DYNAMIC RAM, 256K X 1
M41256N-15	24604	DYNAMIC RAM, 256K X 1
M41256P-15	24602	DYNAMIC RAM, 256K X 1
MT5C2561	29310	STATIC RAM, 256K X 1, 25 NS ACCESS TIME
MT5C2561	29301	STATIC RAM, 256K X 1, 45 NS ACCESS TIME
MT5C2561	29302	STATIC RAM, 256K X 1, 35 NS ACCESS TIME
MT5C2564	29311	STATIC RAM, 64K X 4, 25 NS ACCESS TIME
MT5C2564	29303	STATIC RAM, 64K X 4, 45 NS ACCESS TIME
MT5C2564	29304	STATIC RAM, 64K X 4, 35 NS ACCESS TIME
MT5C2565	29315	STATIC RAM, 64K X 4, WITH OUTPUT ENABLE, 35 NS ACCESS TIME
MT5C2565	29314	STATIC RAM, 64K X 4, WITH OUTPUT ENABLE, 45 NS ACCESS TIME
MT5C2565	29312	STATIC RAM, 64K X 4, WITH OUTPUT ENABLE, 25 NS ACCESS TIME
MT5C2568	29307	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 55 NS ACCESS TIME
MT5C2568	29309	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 35 NS ACCESS TIME
MT5C2568	29313	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 25 NS ACCESS TIME
MT5C2568	29308	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 45 NS ACCESS TIME
6116	29104	STATIC RAM, 2K X 8, 90 NS ACCESS TIME
6504	24501	STATIC RAM, 4K X 1
6504RH	24503	STATIC RAM, 4K X 1
6514	24502	STATIC RAM, 1K X 4
6514RH	24504	STATIC RAM, 1K X 4
6516	29102	STATIC RAM, 2K X 8, 200 NS ACCESS TIME
65162	29110	STATIC RAM, 2K X 8, 70 NS ACCESS TIME
65262	29103	STATIC RAM, 16K X 1, 85 NS ACCESS TIME
65262	29109	STATIC RAM, 16K X 1, WITH THREE-STATE OUTPUTS
65642	29205	STATIC RAM, 8K X 8, SELECTABLE MODE
UT6716455	5962H3829437	STATIC RAM, 8K X 8, 55 NS ACCESS TIME
UT6716470	5962H3829436	STATIC RAM, 8K X 8, 70 NS ACCESS TIME
UT6716485	5962H3829435	STATIC RAM, 8K X 8, 85 NS ACCESS TIME
7C147	28901	STATIC RAM, 4K X 1, 35 NS ACCESS TIME
7C148	28902	STATIC RAM, 1K X 4
7C194	29303	STATIC RAM, 64K X 4, 45 NS ACCESS TIME
7C194	29304	STATIC RAM, 64K X 4, 35 NS ACCESS TIME
7C194	29311	STATIC RAM, 64K X 4, 25 NS ACCESS TIME
7C197	29310	STATIC RAM, 256K X 1, 25 NS ACCESS TIME
7C197	29302	STATIC RAM, 256K X 1, 35 NS ACCESS TIME
7C197	29301	STATIC RAM, 256K X 1, 45 NS ACCESS TIME
7C198	29308	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 45 NS ACCESS TIME
7C198	29309	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 35 NS ACCESS TIME
7C198	29313	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 25 NS ACCESS TIME
7C198	29307	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 55 NS ACCESS TIME
7C199	29307	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 55 NS ACCESS TIME
7C199	29308	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 45 NS ACCESS TIME
7C199	29309	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 35 NS ACCESS TIME
7C199	29313	STATIC RAM, 32K X 8, WITH OUTPUT ENABLE, 25 NS ACCESS TIME
9147-45	23807	STATIC RAM, 4K X 1
9147-55	23805	STATIC RAM, 4K X 1
9147-70	23803	STATIC RAM, 4K X 1
9147-85	23801	STATIC RAM, 4K X 1, WITH THREE-STATE OUTPUTS
9148-70	23806	STATIC RAM, 1K X 4
ROM/PROM/PAL 7/		
PAL16R4A	50404	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT AND-OR
PAL16R4B	50604	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
PAL16R4A2	50410	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
PAL16R4B2	50608	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
PAL16R6A	50403	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT AND-OR
PAL16R6B	50603	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR
PAL16R6A2	50409	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR
PAL16R6B2	50607	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR
PAL16L8A	50401	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
PAL16R8A	50402	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR
PAL16R8B	50602	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
PAL16L8B	50601	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
PAL16R8A2	50408	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR

All devices in this table have a dated military specification and a QPL source (part I or part II). These devices have no known reliability or availability problems and are recommended and preferred.)

MILITARY

MILITARY PARTS

TABLE I- Preferred Devices (MIL-STD-1562) (Cont'd)

Generic/ industry number	MIL-M-38510/	Circuit description
ROM/PROM/PAL 7/ (continued)		
PAL16L8A2	50407	PROG. ARRAY LOGIC, 16-INPUT 8 OUTPUT AND-OR-INVERT
PAL16R8B2	50606	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
PAL16L8B2	50605	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
PAL20R4A	50504	PROG. ARRAY LOGIC, 20-INPUT 4-OUTPUT REGISTERED AND-OR
PAL20R6A	50503	PROG. ARRAY LOGIC, 20-INPUT 6-OUTPUT REGISTERED AND-OR
PAL20R8A	50502	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT REGISTERED AND-OR
PAL20L8A	50501	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT AND-OR-INVERT
27S191	21002	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
27256-200	22402	PROM, UV ERASABLE, 32K X 8, 200 NS ACCESS TIME
27256-250	22401	PROM, UV ERASABLE, 32K X 8, 250 NS ACCESS TIME
28S166A	21002	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
28S166A	21004	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
28C256-200	26104	PROM, ELECTR. ERASABLE, 32K X 8, 200 NS ACCESS TIME
28C256-250	26103	PROM, ELECTR. ERASABLE, 32K X 8, 250 NS ACCESS TIME
28C256-300	26102	PROM, ELECTR. ERASABLE, 32K X 8, 300 NS ACCESS TIME
28C256-350	26101	PROM, ELECTR. ERASABLE, 32K X 8, 350 NS ACCESS TIME
28C64-200	26004	PROM, ELECTR. ERASABLE, 8K X 8, 200 NS ACCESS TIME
2864H-250	22809	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
28C64-250	26003	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
2864-250	22808	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
28C64-300	26002	PROM, ELECTR. ERASABLE, 8K X 8, 300 NS ACCESS TIME
28C64-350	26001	PROM, ELECTR. ERASABLE, 8K X 8, 350 NS ACCESS TIME
2864-350	22807	PROM, ELECTR. ERASABLE, 8K X 8, 350 NS ACCESS TIME
28C65-250	26006	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
28C65-350	26007	PROM, ELECTR. ERASABLE, 8K X 8, 350 NS ACCESS TIME
29611	20402	PROM, 512 X 4, WITH THREE-STATE OUTPUTS
29651	20902	PROM, 2K X 4, WITH THREE-STATE OUTPUTS, 125 NS ACCESS TIME
29651	20908	PROM, 2K X 4, WITH THREE-STATE OUTPUTS, 90 NS ACCESS TIME
29671	21102	PROM, 4K X 8, WITH THREE-STATE OUTPUTS, 95 NS ACCESS TIME
29681	21002	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
3636	21002	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
5300-1	20301	PROM, 256 X 4, WITH OPEN-COLLECTOR OUTPUTS
5301-1	20302	PROM, 256 X 4, WITH THREE-STATE OUTPUTS
5305-1	20401	PROM, 512 X 4, WITH OPEN-COLLECTOR OUTPUTS
5306-1	20402	PROM, 512 X 4, WITH THREE-STATE OUTPUTS
53S1681	21002	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
5330	20701	PROM, 32 X 8, WITH OPEN-COLLECTOR OUTPUTS
5331	20702	PROM, 32 X 8, WITH THREE-STATE OUTPUTS
53S3281	21102	PROM, 4K X 8, WITH THREE-STATE OUTPUTS, 95 NS ACCESS TIME
5341-1	20802	PROM, 512 X 8, WITH THREE-STATE OUTPUTS 90 NS ACCESS TIME
53S441	20602	PROM, 1K X 4, WITH THREE-STATE OUTPUTS
53S841	20902	PROM, 2K X 4, WITH THREE-STATE OUTPUTS, 125 NS ACCESS TIME
54S287	20302	PROM, 256 X 4, WITH THREE-STATE OUTPUTS
54S288	20702	PROM, 32 X 8, WITH THREE-STATE OUTPUTS
DM54S288	20702	PROM, 32 X 8, WITH THREE-STATE OUTPUTS
54S474	20802	PROM, 512 X 8, WITH THREE-STATE OUTPUTS 90 NS ACCESS TIME
54S570	20401	PROM, 512 X 4, WITH OPEN-COLLECTOR OUTPUTS
54S571	20402	PROM, 512 X 4, WITH THREE-STATE OUTPUTS
54S573	20602	PROM, 1K X 4, WITH THREE-STATE OUTPUTS
7602	20701	PROM, 32 X 8, WITH OPEN-COLLECTOR OUTPUTS
7603	20702	PROM, 32 X 8, WITH THREE-STATE OUTPUTS
7610	20301	PROM, 256 X 4, WITH OPEN-COLLECTOR OUTPUTS
7611	20302	PROM, 256 X 4, WITH THREE-STATE OUTPUTS
76161	21002	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
76165	21005	PROM, 4K X 4, WITH THREE-STATE OUTPUTS
7620	20401	PROM, 512 X 4, WITH OPEN-COLLECTOR OUTPUTS
7621	20402	PROM, 512 X 4, WITH THREE-STATE OUTPUTS
76321	21102	PROM, 4K X 8, WITH THREE-STATE OUTPUTS, 95 NS ACCESS TIME
7641	20802	PROM, 512 X 8, WITH THREE-STATE OUTPUTS 90 NS ACCESS TIME
7643	20602	PROM, 1K X 4, WITH THREE-STATE OUTPUTS
7685	20902	PROM, 2K X 4, WITH THREE-STATE OUTPUTS, 125 NS ACCESS TIME
77S185	20902	PROM, 2K X 4, WITH THREE-STATE OUTPUTS, 125 NS ACCESS TIME
77S191	21002	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
82S100	50202	PROG. ARRAY LOGIC, 16X48X8
82S101	50201	PROG. ARRAY LOGIC, 16X48X8
82S115	20803	PROM, 512 X 8, WITH THREE-STATE OUTPUTS
82S123A	20704	PROM, 32 X 8, WITH THREE-STATE OUTPUTS
82S126A	20303	PROM, 256 X 4, WITH OPEN-COLLECTOR OUTPUTS
82S126A	20301	PROM, 256 X 4, WITH OPEN-COLLECTOR OUTPUTS
82S129A	20302	PROM, 256 X 4, WITH THREE-STATE OUTPUTS
82S129A	20304	PROM, 256 X 4, WITH THREE-STATE OUTPUTS 60 NS ACCESS TIME
82S130A	20403	PROM, 512 X 4, WITH OPEN-COLLECTOR OUTPUTS
82S130A	20401	PROM, 512 X 4, WITH OPEN-COLLECTOR OUTPUTS
82S131A	20404	PROM, 512 X 4, WITH THREE-STATE OUTPUTS
82S131A	20402	PROM, 512 X 4, WITH THREE-STATE OUTPUTS
82S137A	20602	PROM, 1K X 4, WITH THREE-STATE OUTPUTS
82S137A	20604	PROM, 1K X 4, WITH THREE-STATE OUTPUTS
82S141	20802	PROM, 512 X 8, WITH THREE-STATE OUTPUTS 90 NS ACCESS TIME
82S181A	20909	PROM, 1K X 8, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
82S185A	20910	PROM, 2K X 4, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
82S185	20902	PROM, 2K X 4, WITH THREE-STATE OUTPUTS, 125 NS ACCESS TIME
82S191A	21004	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
82S191A	21002	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
82HS195	21005	PROM, 4K X 4, WITH THREE-STATE OUTPUTS
82S23A	20701	PROM, 32 X 8, WITH OPEN-COLLECTOR OUTPUTS

All devices in this table have a dated military specification and a QPL source (part I or part II). These devices have no known reliability or availability problems and are recommended and preferred.)

MILITARY PARTS
TABLE I- Preferred Devices (MIL-STD-1562)(Cont'd)

Generic/ industry number	MIL-M-38510/	Circuit description
ROM/PROM/PAL 7/ (continued)		
82S23A	20703	PROM, 32 X 8, WITH OPEN-COLLECTOR OUTPUTS
82HS321A	21101	PROM, 4K X 8, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
82HS641A-45	21204	PROM, 8K X 8, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
82HS641A-70	21201	PROM, 8K X 8, WITH THREE-STATE OUTPUTS
83S123A	20702	PROM, 32 X 8, WITH THREE-STATE OUTPUTS
93417	20301	PROM, 256 X 4, WITH OPEN-COLLECTOR OUTPUTS
93427	20302	PROM, 256 X 4, WITH THREE-STATE OUTPUTS
93436	20401	PROM, 512 X 4, WITH OPEN-COLLECTOR OUTPUTS
93446	20402	PROM, 512 X 4, WITH THREE-STATE OUTPUTS
93448	20802	PROM, 512 X 8, WITH THREE-STATE OUTPUTS, 90 NS ACCESS TIME
93Z451	20909	PROM, 1K X 8, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
93453	20602	PROM, 1K X 4, WITH THREE-STATE OUTPUTS
93458	50201	PROG. ARRAY LOGIC, 16X48X8
93459	50202	PROG. ARRAY LOGIC, 16X48X8
93Z511	21004	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
93Z511	21002	PROM, 2K X 8, WITH THREE-STATE OUTPUTS
93Z665-45	21204	PROM, 8K X 8, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
93Z665-50	21203	PROM, 8K X 8, WITH THREE-STATE OUTPUTS
93Z665-55	21202	PROM, 8K X 8, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
93Z665-70	21201	PROM, 8K X 8, WITH THREE-STATE OUTPUTS
93Z667-70	21201	PROM, 8K X 8, WITH THREE-STATE OUTPUTS
Microprocessors and interface peripherals/FIFO 8/		
(SEE DWG)	5962-8869204	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/ RTU/MT, TRANSCEIVERLESS
(SEE DWG)	5962-8869203	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/ RTU/MT, TRANSCEIVER
UT1553BRTI	55501	REMOTE TERMINAL INTERFACE, MIL-STD-1553B
68000-10	54003	MICROPROCESSOR, 16-BIT FIXED INSTRUC TION
68000-8	54002	MICROPROCESSOR, 16-BIT FIXED INSTRUC TION
Z-80ACPU	48001	MICROPROCESSOR, 8-BIT
Z-80CPU	48002	MICROPROCESSOR, 8-BIT
Z-80BCMOS	48501	MICROPROCESSOR, 8-BIT
Z8002A CPU	52004	MICROPROCESSOR, 16-BIT, 6.0 MHZ
Z8002CPU	52002	MICROPROCESSOR, 16-BIT, 4.0 MHZ
8086	53001	MICROPROCESSOR, 16-BIT
Z85C3006SCC	48601	COMMUNICATIONS CONTROLLER, SERIAL, 6.0 MHZ
85C3008SCC	48602	COMMUNICATIONS CONTROLLER, SERIAL, 8.0 MHZ
Operational amplifiers 9/		
LH0002	7801301	CURRENT AMPLIFIER
LH0021	8508801	OP AMP, HIGH-POWER (1A OUTPUT), EXTERNALLY COMPENSATED
0032	8001301	OP AMP
LH0033	8001401	VOLTAGE FOLLOWER/BUFFER AMPLIFIER, WITH FET INPUTS
LH0041	8508701	OP AMP, HIGH-POWER (0.2A OUTPUT), EXTERNALLY COMPENSATED
LH0101	8508902	OP AMP, POWER
LH0101A	8508901	OP AMP, POWER
HOS-050A	5962-8857901	OP AMP, FAST SETTLING VIDEO
HOS-060SH	5962-8857902	OP AMP, FAST SETTLING VIDEO
OP-07A	13501	OP AMP, PRECISION
071	11904	OP AMP, BI-FET, LOW POWER
072	11905	OP AMP, DUAL, BI-FET, LOW POWER
074	11906	OP AMP, QUAD, BI-FET, LOW POWER
LM101A	10103	OP AMP, GENERAL PURPOSE
LM108A	10104	OP AMP, GENERAL PURPOSE
LM118	10107	OP AMP, HIGH-SPEED
PA12M	5962-9065901H	OP AMP, POWER
LM124	11005	OP AMP, QUAD
LM124A	11006	OP AMP, QUAD
LF147	11906	OP AMP, QUAD, BI-FET, LOW POWER
LM148	11001	OP AMP, QUAD
LF151	11904	OP AMP, BI-FET, LOW POWER
LF153	11905	OP AMP, DUAL, BI-FET, LOW POWER
LF155A	11404	OP AMP, JFET
LF155	11401	OP AMP, JFET
1558	10108	OP AMP, DUAL
LF156	11402	OP AMP, JFET
LF156A	11405	OP AMP, JFET
LF157A	11406	OP AMP, JFET
LF157	11403	OP AMP, JFET
LH2101A	10105	OP AMP, DUAL
LH2108A	10106	OP AMP, DUAL
CLC231A	5962-8959401	OP AMP, HIGH-SPEED, WIDEBAND
2500	12204	OP AMP, PRECISION
2510	12205	OP AMP, HIGH-SPEED
2520	12206	OP AMP, HIGH-SPEED
2600	12202	OP AMP, WIDEBAND
2620	12203	OP AMP, WIDEBAND
OP-27A	13503	OP AMP, PRECISION
4136	11004	OP AMP, QUAD
4156	11003	OP AMP, QUAD
MIOP42109	5962-9065901H	OP AMP, POWER
4741	11003	OP AMP, QUAD
5532A	13102	OP AMP, DUAL LOW-NOISE
5534A	13101	OP AMP, LOW-NOISE
OP-07	13502	OP AMP, LOW-OFFSET
714	13502	OP AMP, LOW-OFFSET
741A	10101	OP AMP, GENERAL PURPOSE
747A	10102	OP AMP, GENERAL PURPOSE, DUAL
771	11904	OP AMP, BI-FET, LOW POWER
772	11905	OP AMP, DUAL, BI-FET, LOW POWER
774	11906	OP AMP, QUAD, BI-FET, LOW POWER
Comparators 10/		
LM111	10304	VOLT. COMPARATOR/BUFFER, PRECISION
LM119	10306	VOLT. COMPARATOR, DUAL HIGH-SPEED
LT119A	10307	VOLT. COMPARATOR, DUAL HIGH-SPEED
LM139	11201	VOLT. COMPARATOR, QUAD
LM193	11202	VOLT. COMPARATOR, DUAL
LH2111	10305	VOLT. COMPARATOR, DUAL
54AC520	5962-9091601	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE AND PULL-UP RESISTORS

All devices in this table have a dated military specification and a QPL source (part I or part II). These devices have no known reliability or availability problems and are recommended and preferred.)

MILITARY

MILITARY PARTS

TABLE I- Preferred Devices (MIL-STD-1562) (Cont'd)

Generic/ industry number	MIL-M-38510/	Circuit description
Regulators 12/		
LM109	10701	VOLT. REGULATOR, FIXED, POSITIVE, 5V
LM117K	11704	VOLT. REGULATOR, ADJ., POSITIVE
LM117H	11703	VOLT. REGULATOR, ADJ., POSITIVE
LM120K-05	11505	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
LM120H-05	11501	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
LM120H-12	11502	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
LM120K-12	11506	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
LM120K-15	11507	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
LM120H-15	11503	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
LM120K-24	11508	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
LM137H	11803	VOLT. REGULATOR, ADJ., NEGATIVE
LM137K	11804	VOLT. REGULATOR, ADJ., NEGATIVE
LM138K	11706	VOLT. REGULATOR, ADJ., POSITIVE
LM140K-05	10706	VOLT. REGULATOR, FIXED, POSITIVE
LM140H-05	10702	VOLT. REGULATOR, FIXED, POSITIVE
LM140H-12	10703	VOLT. REGULATOR, FIXED, POSITIVE
LM140K-12	10707	VOLT. REGULATOR, FIXED, POSITIVE
LM140K-15	10708	VOLT. REGULATOR, FIXED, POSITIVE
LM140H-15	10704	VOLT. REGULATOR, FIXED, POSITIVE
LM140K-24	10709	VOLT. REGULATOR, FIXED, POSITIVE
LM150K	11705	VOLT. REGULATOR, ADJ., POSITIVE, 3.0A
1524	12601	PULSE WIDTH MODULATOR, REGULATING
1525A	12602	PULSE WIDTH MODULATOR, REGULATING
1526	12603	PULSE WIDTH MODULATOR, REGULATING
1527A	12604	PULSE WIDTH MODULATOR, REGULATING
1846	70201	PULSE WIDTH MODULATOR CONTROLLER, CURRENT-MODE
TL431	14801	VOLT. REFERENCE, PROGRAMMABLE
723	10201	VOLT. REGULATOR, ADJ., POSITIVE
7805	10706	VOLT. REGULATOR, FIXED, POSITIVE
78M05	10702	VOLT. REGULATOR, FIXED, POSITIVE
78M12	10703	VOLT. REGULATOR, FIXED, POSITIVE
7812	10707	VOLT. REGULATOR, FIXED, POSITIVE
7815	10708	VOLT. REGULATOR, FIXED, POSITIVE
78M15	10704	VOLT. REGULATOR, FIXED, POSITIVE
7824	10709	VOLT. REGULATOR, FIXED, POSITIVE
79M05	11501	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
7905	11505	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
79M12	11502	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
7912	11506	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
7915	11507	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
79M15	11503	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
7924	11508	VOLT. REGULATOR, FIXED, NEGATIVE, 0.5A, 1.0A
Drivers/receivers 13/		
0006	5962-8761701	DRIVER, HIGH VOLTAGE, 1.5A
0008	5962-8761702	DRIVER, HIGH VOLTAGE, HIGH CURRENT, 3.0A
NHI-1509	5962-8604906	DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER EN CODER-DECODER)
2001	14101	TRANSISTOR ARRAY, DARLINGTON
2002	14102	TRANSISTOR ARRAY, DARLINGTON
2003	14103	TRANSISTOR ARRAY, DARLINGTON
2004	14104	TRANSISTOR ARRAY, DARLINGTON
2005	14105	TRANSISTOR ARRAY
ARX2402	5962-8604903	DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER EN CODER-DECODER)
2801	14106	TRANSISTOR ARRAY, DARLINGTON
2802	14107	TRANSISTOR ARRAY, DARLINGTON
2803	14108	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE
2804	14109	TRANSISTOR ARRAY, DARLINGTON
2805	14110	TRANSISTOR ARRAY, DARLINGTON
3045	10802	TRANSISTOR ARRAY
54S140	08101	LINE DRIVER, DUAL 4-INPUT NAND
54LS242	32801	BUS TRANSCEIVER, QUAD INVERTING, WITH THREE-STATE OUTPUTS
54F243	34802	BUS TRANSCEIVER, QUAD NONINVERTING, WITH THREE-STATE OUTPUTS
54LS243	32802	BUS TRANSCEIVER, QUAD NONINVERTING, WITH THREE-STATE OUTPUTS
54LS245	32803	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54F245	34803	BUS TRANSCEIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54HCT245	65553	BUS TRANSCEIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54HC245	65503	BUS TRANSCEIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54AC245	75503	BUS TRANSCEIVER, OCTAL BIDIRECTIONAL, WITH THREE-STATE INPUTS/OUTPUTS
54LS368	32204	BUS DRIVER, HEX
54HCT540	65760	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54F545	34804	BUS TRANSCEIVER, OCTAL BIDIRECTIONAL, WITH THREE-STATE OUTPUTS
54ALS645A	38505	BUS TRANSCEIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
55107	10401	LINE RECEIVER, DUAL
55108	10402	LINE RECEIVER, DUAL OC
55113	10405	LINE DRIVER, DUAL DIFFERENTIAL, TS
55114	10403	LINE DRIVER, DUAL DIFFERENTIAL
55115	10404	LINE RECEIVER, DUAL DIFFERENTIAL
55451	12902	PERIPHERAL DRIVER, DUAL AND
55452	12903	PERIPHERAL DRIVER, DUAL NAND
55453	12904	PERIPHERAL DRIVER, DUAL OR
55454	12905	PERIPHERAL DRIVER, DUAL NOR
55461	12907	PERIPHERAL DRIVER, DUAL AND
55462	12908	PERIPHERAL DRIVER, DUAL NAND
55463	12909	PERIPHERAL DRIVER, DUAL OR
9614	10403	LINE DRIVER, DUAL DIFFERENTIAL
9615	10404	LINE RECEIVER, DUAL DIFFERENTIAL
Timers 14/		
555	10901	TIMER, PRECISION
556	10902	TIMER, DUAL PRECISION
Core drivers 15/		
55325	13001	MEMORY CORE DRIVER, DUAL
55326	13002	MEMORY CORE DRIVER, QUAD

All devices in this table have a dated military specification and a QPL source (part I or part II). These devices have no known reliability or availability problems and are recommended and preferred.)

MILITARY PARTS
TABLE I- Preferred Devices (MIL-STD-1562)(Cont'd)

Generic/ industry number	MIL-M-38510/	Circuit description
D/A converters 16/		
DAC-HKB	5962-8952801	D/A CONVERTER, 12-BIT BINARY INPUT CODE
DAC-HPB	5962-8953101H	D/A CONVERTER, 16-BIT, 0 TO +10V AND ±5V OUTPUT
DAC-HPB-1	5962-8953102H	D/A CONVERTER, 16-BIT, ±10V OUTPUT
DAC-08	11301	D/A CONVERTER, 8-BIT
DAC-08A	11302	D/A CONVERTER, 8-BIT
DAC-HKB-2	5962-8952802	D/A CONVERTER, 12-BIT TWOS COMPLE MENT
MN3008	5962-8768801	D/A CONVERTER, 8-BIT, 0V TO +4V OUTPUT
MN3009	5962-8768802	D/A CONVERTER, 8-BIT, -2V TO +2V OUTPUT
HS3020	5962-8971801	D/A CONVERTER, 8-BIT, WITH INPUT REGISTER
RGBDAC3808H	5962-8950901	D/A CONVERTER, 8-BIT, TRIPLE, COLOR-MAPPED VIDEO
AD390S	5962-8850901	D/A CONVERTER, QUAD 12-BIT
AD390T	5962-8850902	D/A CONVERTER, QUAD 12-BIT
AD394S	5962-8851001	D/A CONVERTER, QUAD 12-BIT
AD394T	5962-8851002	D/A CONVERTER, QUAD 12-BIT
AD395T	5962-8851004	D/A CONVERTER, QUAD 12-BIT
AD395S	5962-8851003	D/A CONVERTER, QUAD 12-BIT
561	13301	D/A CONVERTER, 10-BIT
562	12101	D/A CONVERTER, 12-BIT, EXTERNAL REFERENCE, 2 MA, FS
565	12103	D/A CONVERTER, 12-BIT
7520	12702	D/A CONVERTER, 10-BIT
7521	12703	D/A CONVERTER, 12-BIT
DAC87	8300201	D/A CONVERTER, 12-BIT, RANGE-PROGRAM MABLE VOLTAGE OUTPUT
A/D converters 17/		
ADC-HX	5962-8850801	A/D CONVERTER, 12-BIT
ADC-HZ	5962-8850802	A/D CONVERTER, 12-BIT
MN5200	5962-8958301	A/D CONVERTER, 12-BIT, 0V TO -10V INTERNAL REFERENCE
MN5201	5962-8958303	A/D CONVERTER, 12-BIT, -5V TO +5V INTERNAL REFERENCE
MN5202	5962-8958305	A/D CONVERTER, 12-BIT, -10V TO +10V INTERNAL REFERENCE
MN5203	5962-8958302	A/D CONVERTER, 12-BIT, 0V TO -10V EXTERNAL REFERENCE
MN5204	5962-8958304	A/D CONVERTER, 12-BIT, -5V TO +5V EXTERNAL REFERENCE
MN5205	5962-8958306	A/D CONVERTER, 12-BIT, -10V TO +10V EXTERNAL REFERENCE
MN5206	5962-8958307	A/D CONVERTER, 12-BIT, 0V TO 10V INTERNAL REFERENCE
MN5210	5962-8958401	A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO -10V INTERNAL REFERENCE
MN5211	5962-8958403	A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V INTERNAL REFERENCE
MN5212	5962-8958405	A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V INTERNAL REFERENCE
MN5213	5962-8958402	A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO -10V EXTERNAL REFERENCE
MN5214	5962-8958404	A/D CONVERTER, 12-BIT, HIGH-SPEED, -5V TO +5V EXTERNAL REFERENCE
MN5215	5962-8958406	A/D CONVERTER, 12-BIT, HIGH-SPEED, -10V TO +10V EXTERNAL REFERENCE
MN5216	5962-8958407	A/D CONVERTER, 12-BIT, HIGH-SPEED, 0V TO 10 INTERNAL REFERENCE
MN5245A	5962-8959502	A/D CONVERTER, 12-BIT, 0 TO +5V, WITH THREE-STATE OUTPUTS
MN5245	5962-8959501	A/D CONVERTER, 12-BIT, 0 TO +5V
MN5246	5962-8959503	A/D CONVERTER, 12-BIT, ±2.5V
MN5246A	5962-8959504	A/D CONVERTER, 12-BIT, ±2.5V, WITH THREE-STATE OUTPUTS
MN5295	5962-8956901H	A/D CONVERTER, 16-BIT
574AT	14002	A/D CONVERTER, 12-BIT, WITH MICROPRO CESSOR INTERFACE
574AU	14001	A/D CONVERTER, 12-BIT, WITH MICROPRO CESSOR INTERFACE
AD578SD	5962-8865801	A/D CONVERTER, 12-BIT, HIGH-SPEED
AD578ZTD	5962-8865804	A/D CONVERTER, 12-BIT, HIGH-SPEED
AD578ZSD	5962-8865803	A/D CONVERTER, 12-BIT, HIGH-SPEED
AD578TD	5962-8865802	A/D CONVERTER, 12-BIT, HIGH-SPEED
HS9576T	5962-9079502H	A/D CONVERTER, 16-BIT, ±0.003 %FSR
HS9576S	5962-9079501H	A/D CONVERTER, 16-BIT, ±0.006 %FSR
Analog switches/multiplexers 18/		
DG181A	11101	ANALOG SWITCH, SPST, 2-CHANNEL
DG182A	11102	ANALOG SWITCH, SPST, 2-CHANNEL
DG184A	11103	ANALOG SWITCH, DPST, 2-CHANNEL
DG185A	11104	ANALOG SWITCH, DPST, 2-CHANNEL
DG187A	11105	ANALOG SWITCH, SPDT
DG188A	11106	ANALOG SWITCH, SPDT
DG190A	11107	ANALOG SWITCH, SPDT, 2-CHANNEL
DG191A	11108	ANALOG SWITCH, SPDT, 2-CHANNEL
200	12301	ANALOG SWITCH, SPST, 2-CHANNEL
201	12302	ANALOG SWITCH, SPST, 4-CHANNEL
300	11601	ANALOG SWITCH, SPST, 2-CHANNEL
301	11602	ANALOG SWITCH, SPDT, 1-CHANNEL
302	11603	ANALOG SWITCH, DPST, 2-CHANNEL
303	11604	ANALOG SWITCH
304	11605	ANALOG SWITCH, SPST, 2-CHANNEL

All devices in this table have a dated military specification and a QPL source (part I or part II). These devices have no known reliability or availability problems and are recommended and preferred.)

MILITARY PARTS

TABLE I- Preferred Devices (MIL-STD-1562) (Cont'd)

Generic/ industry number	MIL-M-38510/	Circuit description
Analog switches/multiplexers 18/ (continued)		
305	11606	ANALOG SWITCH, SPDT, 2-CHANNEL
306	11607	ANALOG SWITCH, DPST, 2-CHANNEL
307	11608	ANALOG SWITCH, SPDT, 2-CHANNEL
5040	10501	ANALOG SWITCH, SPST, 1-CHANNEL, 75 OHMS
5041	10502	ANALOG SWITCH, SPST, 2-CHANNEL, 75 OHMS
5042	10503	ANALOG SWITCH, SPDT, 1-CHANNEL, 75 OHMS
5043	10504	ANALOG SWITCH, SPDT, 2-CHANNEL, 75 OHMS
5044	10505	ANALOG SWITCH, DPST, 1-CHANNEL, 75 OHMS
5045	10506	ANALOG SWITCH, DPST, 2-CHANNEL, 75 OHMS
506A	19002	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL, WITH OVERVOLTAGE PROTECTION
506	19001	ANALOG MULTIPLEXER, 16-CHANNEL
507	19003	ANALOG MULTIPLEXER, 8-CHANNEL DIFFERENTIAL
507A	19004	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL DIFFERENTIAL, W/ OVERVOLTAGE PROTECT
508	19007	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL
508A	19005	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL, WITH OVERVOLTAGE PROTECTION
509	19008	ANALOG MULTIPLEXER, DUAL 4-CHANNEL
509A	19006	ANALOG MULTIPLEXER/DEMULTIPLEXER, DIFFERENTIAL 4-CHANNEL, WITH OVERVOLT AGE PROTE
6108	19007	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL
6116	19001	ANALOG MULTIPLEXER, 16-CHANNEL
6208	19008	ANALOG MULTIPLEXER, DUAL 4-CHANNEL
6216	19003	ANALOG MULTIPLEXER, 8-CHANNEL DIFFERENTIAL
Voltage references 19/		
2700U	8503002	VOLT. REFERENCE, PRECISION, +10.000V
2700	8503001	VOLT. REFERENCE, PRECISION, +10.000V
2701	8503006	VOLT. REFERENCE, PRECISION, -10.000V
2701	8503005	VOLT. REFERENCE, PRECISION, -10.000V
2702U	8503004	VOLT. REFERENCE, PRECISION, ±10.000V
2702S	8503003	VOLT. REFERENCE, PRECISION, ±10.000V
584T	12802	VOLT. REFERENCE, PROGRAMMABLE
584S	12801	VOLT. REFERENCE, PROGRAMMABLE
Sample and hold 20/		
198	12501	SAMPLE AND HOLD AMPLIFIER
HS9716	5962-8956601H	SAMPLE AND HOLD AMPLIFIER, 16-BIT
Hybrid 22/		
HCPL-1931	5962-8957201	OPTOCOUPLER, DUAL CHANNEL LINE RECEIVER
4N55	5962-8767901	OPTOCOUPLER, DUAL
HCPL-5201	5962-8876801	OPTOCOUPLER, SINGLE-CHANNEL
HCPL-5231	5962-8876901	OPTOCOUPLER, DUAL CHANNEL
HCPL-5401	5962-8957001	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-SPEED
HCPL-5431	5962-8957101	OPTOCOUPLER, DUAL CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS
HCPL-5501	5962-9085401H	OPTOCOUPLER, SINGLE CHANNEL, TRANSISTOR OUTPUT
HCPL-5531	5962-8767902	OPTOCOUPLER, DUAL CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS
HCPL-5701	5962-8981001	OPTOCOUPLER, SINGLE-CHANNEL, HIGH-GAIN
HCPL-5731	5962-8978501	OPTOCOUPLER, DUAL CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS
HCPL-5761	5962-8947701	OPTOCOUPLER, AC/DC TO LOGIC INTERFACE
6N134	8102801	OPTOCOUPLER, DUAL
6N140A	8302401	OPTOCOUPLER, 4-CHANNEL
HCPL-6231	5962-8876902	OPTOCOUPLER, DUAL CHANNEL, WITH SEPARATE SUPPLY VOLT. AND GND. CONNECTIONS
HCPL-6431	5962-8957102	OPTOCOUPLER, DUAL CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS
HCPL-6531	5962-8767903	OPTOCOUPLER, DUAL CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS
HCPL-6731	5962-8978502	OPTOCOUPLER, DUAL CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS
Other digital devices 23/		
UT1553BRTIA	55502	REMOTE TERMINAL INTERFACE, MIL-STD-1553B
WEDSP-16	5962-9070401Q	DIGITAL SIGNAL PROCESSOR, 16-BIT
Analog circuit functions 24/		
EL2004	5962-8965901	BUFFER, FET
532S	13903	ANALOG MULTIPLIER, 4-QUADRANT
534S	13902	ANALOG MULTIPLIER, 4-QUADRANT
534T	13901	ANALOG MULTIPLIER, 4-QUADRANT
Semicustom devices 25/		
(SEE SPEC)	60608	GATE ARRAY, SEMICUSTOM
(SEE SPEC)	60604	GATE ARRAY, SEMICUSTOM
(SEE SPEC)	70603	LINEAR ARRAY, 16 MACROCELL LOCATIONS
(SEE SPEC)	60603	GATE ARRAY, SEMICUSTOM
(SEE SPEC)	60711	GATE ARRAY (_ 11,000 GATES)
(SEE SPEC)	60611	GATE ARRAY, SEMICUSTOM
(SEE SPEC)	60606	GATE ARRAY, SEMICUSTOM
(SEE SPEC)	60504	GATE ARRAY, <=4000 GATES
(SEE SPEC)	60811	GATE ARRAY, SEMICUSTOM
(SEE SPEC)	60708	GATE ARRAY (_ 8,000 GATES)

All devices in this table have a dated military specification and a QPL source (part I or part II). These devices have no known reliability or availability problems and are recommended and preferred.)

MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
Gates 1/		
100301	5962-9152801M	OR/NOR GATE, TRIPLE 5-INPUT
100302	5962-9152802M	OR/NOR GATE, QUINT 2-INPUT
10H501	5962-8750301	OR/NOR GATE, QUAD 2-INPUT
10H502	5962-8755701	NOR GATE, QUAD 2-INPUT
10H503	5962-8756501	OR GATE, QUAD 2-INPUT
10H504	5962-8750401	AND GATE, QUAD 2-INPUT
10H505	5962-8750701	OR/NOR GATE, TRIPLE 2-3-2 INPUT
10H506	5962-8756401	NOR GATE, TRIPLE 4-3-3 INPUT
10H507	5962-8772701	EXCLUSIVE-OR/NOR GATE, TRIPLE 2-INPUT
10H509	5962-8985601	OR/NOR GATE, DUAL 4-5 INPUT
10H513	5962-8755801	EXCLUSIVE-OR GATE, QUAD
10H518	5962-8755901	OR-AND GATE, DUAL 2-WIDE 3-INPUT
10H519	5962-8772801	OR-AND GATE, 4-WIDE 4-3-3-3 INPUT
10521	5962-8857701	OR-AND/OR-AND-INVERT GATE, 3-INPUT
10H521	5962-8773001	OR-AND/OR-AND-INVERT GATE, 4-WIDE
10H589	5962-8751001	HEX INVERTER, WITH ENABLE
10H609	5962-8756901	OR/NOR GATE, DUAL 4-5 INPUT
10H610	5962-8754101	OR GATE, DUAL THREE-INPUT, THREE-OUTPUT
10612	5962-8775001	OR/NOR GATE, DUAL 3-INPUT
54HCT00	5962-8683101	NAND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS
54ACT00	5962-8769901	NAND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS
54HCT02	5962-8975101	NOR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS
54HC03	5962-8764701	NAND GATE, QUAD 2-INPUT, WITH OPEN DRAIN OUTPUTS
54HCU04	8601001	HEX INVERTER, UNBUFFERED
54ACT04	5962-8973401	HEX INVERTER, TTL-COMPATIBLE INPUTS
54ALS05A	5962-8854001	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS
54HC05	5962-8871801	HEX INVERTER, WITH OPEN-DRAIN OUTPUTS
54HCT08	5962-8688301	AND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS
54ALS09	8414201	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54HC09	5962-8862001	AND GATE, QUAD 2-INPUT, WITH OPEN-DRAIN OUTPUTS
54F09	5962-8872301	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54HCT10	5962-8984301	NAND GATE, TRIPLE 3-INPUT, TTL-COMPAT IBLE INPUTS
54HCT11	5962-8970901	AND GATE, TRIPLE 3-INPUT, WITH TTL-COMPATIBLE INPUTS
54AC1100	75021	NAND GATE, QUAD 2-INPUT
54AC11010	75022	NAND GATE, TRIPLE 3-INPUT
54AC11020	75023	NAND GATE, DUAL 4-INPUT
54AC11030	75024	NAND GATE, 8-INPUT
54HCT132	5962-8984501	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER, TTL-COMPATIBLE INPUTS
54HC133	5962-8772301	NAND GATE, 13-INPUT
54HCT14	65752	HEX INVERTER, SCHMITT TRIGGER, WITH TTL-COMPATIBLE INPUTS
54HCT14	5962-8689001	HEX INVERTER, SCHMITT TRIGGER, WITH TTL-COMPATIBLE INPUTS
54F14	5962-8875201	HEX INVERTER, SCHMITT TRIGGER
54ALS21	8414301	AND GATE, DUAL 4-INPUT
54HC21	5962-8857601	AND GATE, DUAL 4-INPUT
54F21	5962-8955401	AND GATE, DUAL 4-INPUT
54F27	5962-8951001	NOR GATE, TRIPLE 3-INPUT
54HCT27	5962-8970301	NOR GATE, TRIPLE 3-INPUT, TTL-COMPATIBLE INPUTS
54F30	5962-8870801	NAND GATE, 8-INPUT
54HCT30	5962-8974601	NAND GATE, 8-INPUT, TTL-COMPATIBLE INPUTS
54HCT32	5962-8685201	OR GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS
54ACT32	5962-8973601	OR GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS
54F36	5962-8870901	NOR GATE, QUAD 2-INPUT
54HC4075	5962-8772201	OR GATE, TRIPLE 3-INPUT
54HC4078	5962-8857401	NOR/OR GATE, 8-INPUT
54F51	5962-8877401	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT, 2-WIDE 3-INPUT
54HC7266	65105	EXCLUSIVE-NOR GATE, QUAD 2-INPUT
54HC7266	8404302	EXCLUSIVE-NOR GATE, QUAD 2-INPUT
54ALS86	5962-8862101	EXCLUSIVE-OR GATE, QUAD 2-INPUT
54HCT86	5962-8984401	EXCLUSIVE-OR GATE, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS
Buffers 2/		
LT1010	5962-8856201	POWER BUFFER, FAST, ±150 MA
10H524	5962-8756001	LOGIC-LEVEL CONVERTER, TTL-TO-ECL, QUAD
10H525	5962-8750801	LOGIC-LEVEL CONVERTER, ECL-TO-TTL
10H588	5962-8750901	HEX BUFFER, WITH ENABLE
2953A	5962-8777202	REGISTERED TRANSCEIVER, BIDIRECTIONAL I/O PORTS, INVERTING, 8-BIT
29C827	5962-8766701	BUS BUFFER, 10-BIT NONINVERTING, HIGH PERFORMANCE
29827A	5962-8860501	BUFFER, 10-BIT, HIGH PERFORMANCE, WITH THREE-STATE OUTPUTS
29C828	5962-8766702	BUS BUFFER, 10-BIT INVERTING, HIGH PERFORMANCE
29828A	5962-8860502	BUFFER, 10-BIT, HIGH PERFORMANCE, WITH THREE-STATE OUTPUTS
29C927	5962-8766703	BUS BUFFER, 10-BIT NONINVERTING, HIGH PERFORMANCE
29C928	5962-8766704	BUS BUFFER, 10-BIT INVERTING, HIGH PERFORMANCE
54ALS1003	38403	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54ALS1004	38409	BUFFER/DRIVER, HEX, INVERTING
54ALS1004	8406101	BUFFER/DRIVER, HEX, INVERTING
54ALS1005	38410	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS
54ALS1008A	38404	BUFFER/DRIVER, AND, QUAD 2-INPUT
54ALS1008A	8409701	BUFFER/DRIVER, AND, QUAD 2-INPUT
54ALS1010A	38405	BUFFER/DRIVER, NAND, TRIPLE 3-INPUT
54ALS1010A	8406001	BUFFER/DRIVER, NAND, TRIPLE 3-INPUT
54ALS1011	38406	BUFFER/DRIVER, AND, TRIPLE 3-INPUT
54ALS1032	38408	BUFFER/DRIVER, OR, QUAD 2-INPUT
54AS1034A	5962-8873101	BUFFER/DRIVER, HEX, NONINVERTING
54ALS1035	38412	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS
54ALS1035	5962-8874201	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS
54ACT11244	5962-8776002	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS AND TTL-COMP.INPUTS
54ALS1244A	5962-8873801	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54HC125	5962-8772101	BUFFER/DRIVER, QUAD, NONINVERTING, WITH THREE-STATE OUTPUTS (LOW ENABLE)
54BCT125	5962-9093701M	BUS BUFFER GATE, QUAD, WITH THREE-STATE OUTPUTS
54HC126	5962-8684801	BUFFER/DRIVER, QUAD, NONINVERTING, WITH THREE-STATE OUTPUTS
54BCT126	5962-9088901M	BUS BUFFER, QUAD, WITH THREE-STATE OUTPUTS

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
Buffers 2/ (continued)		
54HCT126	5962-9065101M	BUFFER, QUAD, THREE-STATE, TTL-COMPATIBLE INPUTS
54FCT240	5962-8765501	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54FCT240A	5962-8765502	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54BCT240	5962-9074201M	BUFFER/LINE DRIVER, OCTAL, WITH INVERTING THREE-STATE OUTPUTS
54HCT241	65754	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54FCT241A	5962-8973202	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54FCT241	5962-8973201	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54ACT241	5962-8984701	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54ACT244	5962-8776001	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54FCT244	5962-8763001	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54FCT244A	5962-8763002	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54F30244	5962-8872201	BUFFER/DRIVER, OCTAL, HIGH-CURRENT, WITH OPEN-COLLECTOR OUTPUTS
54LS33	8512601	BUFFER/DRIVER, NOR, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54F37	35201	BUFFER/DRIVER, NAND, QUAD 2-INPUT
54ALS38A	38403	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54ALS38A	5962-8687101	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54F40	35203	BUFFER/DRIVER, NAND, DUAL 4-INPUT
54HC4049	5962-8681901	BUFFER, HEX INVERTING LOGIC LEVEL CONVERTER
54FCT540A	5962-8976702	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54FCT540	5962-8976701	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54AC541	75711	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54AC541	5962-8870601	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54ALS541	5962-8960201	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54FCT541	5962-8976601	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54FCT541A	5962-8976602	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54AS756	5962-9056301	BUFFER/DRIVER, OCTAL, WITH OPEN-COLLECTOR OUTPUTS
Filp-Flops 3/		
10H531	5962-8756101	FLIP-FLOP, D-TYPE MASTER SLAVE, DUAL
10H535	5962-8750501	FLIP-FLOP, JK MASTER SLAVE, DUAL
10H576	5962-8751201	FLIP-FLOP, D-TYPE MASTER SLAVE, HEX
10H586	5962-8756301	FLIP-FLOP, D-TYPE MASTER SLAVE, HEX, WITH RESET
10586	5962-8779301	FLIP-FLOP, D-TYPE, HEX, WITH COMMON RESET
10598	5962-8777301	MULTIVIBRATOR, MONOSTABLE
25LS174	33106	FLIP-FLOP, D-TYPE, HEX
25LS175	33107	FLIP-FLOP, D-TYPE, QUAD
54HC107	65303	FLIP-FLOP, JK, DUAL, WITH RESET
54HC107	5962-8515401	FLIP-FLOP, JK, DUAL, WITH RESET
54HCT107	5962-9084901M	FLIP-FLOP, JK, DUAL, NEGATIVE-EDGE TRIGGERED, WITH RESET
54AC109	75304	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET
54ACT109	5962-8853401	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH TTL-COMPATIBLE INPUTS
54AC109	5962-8955101	FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH CLEAR AND SET
54HCT109	5962-9070101M	FLIP-FLOP, JK, DUAL, WITH SET AND RESET, TTL-COMPATIBLE INPUTS
54AC112	75305	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED, WITH CLEAR AND SET
54HCT112	5962-8970201	FLIP-FLOP, JK, DUAL, WITH SET AND RESET, TTL-COMPATIBLE INPUTS
54HC113	5962-8969501	FLIP-FLOP, JK, DUAL, NEGATIVE EDGE-TRIGGERED WITH ASYNCHRONOUS PRESET
54HC123A	5962-8684702	MULTIVIBRATOR, DUAL RETRIGGERABLE MONOSTABLE
54HC123	5962-8684701	MULTIVIBRATOR, DUAL RETRIGGERABLE MONOSTABLE
54HCT123	5962-8970001	MULTIVIBRATOR, DUAL RETRIGGERABLE MONOSTABLE, WITH RESETS, TTL-COMPATIBLE INPUTS
54HCT173	5962-8875901	FLIP-FLOP, D-TYPE, QUAD, TTL-COMPATIBLE INPUTS WITH THREE-STATE OUTPUTS
54AC174	75307	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET
54AC174	5962-8762601	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET
54ACT174	5962-8775701	FLIP-FLOP, D-TYPE, HEX, WITH MASTER RESET AND TTL-COMPATIBLE INPUTS
54HCT174	5962-8974301	FLIP-FLOP, D-TYPE, HEX, WITH RESET, TTL COMPATIBLE-INPUTS
54AC175	75308	FLIP-FLOP, D-TYPE, QUAD, WITH MASTER RESET
54ACT175	5962-8969301	FLIP-FLOP, D-TYPE, QUAD, TTL-COMPATIBLE INPUTS
54AC175	5962-8955201	FLIP-FLOP, D-TYPE, QUAD, WITH MASTER RESET
54HCT175	5962-8970101	FLIP-FLOP, D-TYPE, QUAD, WITH RESET, TTL-COMPATIBLE INPUTS
54HC221	5962-8780501	MULTIVIBRATOR, DUAL NON-RETRIGGERABLE MONOSTABLE, WITH RESET
54F259	5962-8972301	LATCH, 8-BIT ADDRESSABLE
54ALS259	5962-8874101	LATCH, 8-BIT ADDRESSABLE
54ALS273	8413601	FLIP-FLOP, D-TYPE, OCTAL, WITH CLEAR
54FCT273	5962-8765601	FLIP-FLOP, D-TYPE, OCTAL, WITH CLEAR, TTL-COMPATIBLE
54F273	5962-8855001	FLIP-FLOP, D-TYPE, OCTAL, EDGE-TRIGGERED, WITH ASYNCHRONOUS MASTER RESET
54HCT273	5962-8772501	FLIP-FLOP, D-TYPE, OCTAL, WITH CLEAR AND TTL-COMPATIBLE INPUTS
54FCT273A	5962-8765602	FLIP-FLOP, D-TYPE, OCTAL, WITH CLEAR, TTL-COMPATIBLE
54ACT273	5962-8973501	FLIP-FLOP, D-TYPE, QUAD, WITH RESET, TTL-COMPATIBLE INPUTS
54ALS29821	5962-9061601	FLIP-FLOPS, 10-BIT BUS INTERFACE, WITH 3-STATE OUTPUTS
54ACT373	5962-8755601	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH 3-STATE OUTPUTS AND TTL-COMPATIBLE INPUTS
54FCT373	5962-8764401	LATCH, D-TYPE TRANSPARENT, OCTAL, W/ NONINVERTING 3-STATE OUTPUTS, TTL-COMPATIBLE

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Flip-Flops 3/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
54FCT373A	5962-8764402	LATCH, D-TYPE TRANSPARENT, OCTAL, W/ NONINVERTING 3-STATE OUTPUTS, TTL-COMPATIBLE
54BCT373	5962-9074601M	LATCH, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54FCT374	5962-8762801	FLIP-FLOP, D-TYPE, OCTAL, WITH NONINVERTING THREE-STATE OUTPUTS, TTL-COMPATIBLE
54ACT374	5962-8763101	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE INPUTS
54FCT374A	5962-8762802	FLIP-FLOP, D-TYPE, OCTAL, WITH NONINVERTING THREE-STATE OUTPUTS, TTL-COMPATIBLE
54BCT374	5962-9051601M	FLIP-FLOP, D-TYPE, OCTAL, EDGE-TRIG GERED, WITH THREE-STATE OUTPUTS
54HC377	65603	FLIP-FLOP, D-TYPE, OCTAL, WITH ENABLE
54AC377	75603	FLIP-FLOP, D-TYPE, OCTAL, WITH CLOCK ENABLE
54HC377	5962-8780701	FLIP-FLOP, D-TYPE, OCTAL, WITH ENABLE
54AC377	5962-8870201	FLIP-FLOP, D-TYPE, OCTAL, WITH CLOCK ENABLE
54FCT377	5962-8762701	FLIP-FLOP, D-TYPE, OCTAL, WITH CLOCK ENABLE AND TTL-COMPATIBLE INPUTS
54ACT377	5962-8769701	FLIP-FLOP, D-TYPE, OCTAL, WITH CLOCK ENABLE, TTL-COMPATIBLE INPUTS
54FCT377A	5962-8762702	FLIP-FLOP, D-TYPE, OCTAL, WITH CLOCK ENABLE AND TTL-COMPATIBLE INPUTS
54HCT377	5962-8976901	FLIP-FLOP, D-TYPE, OCTAL, WITH DATA ENABLE AND TTL-COMPATIBLE INPUTS
54F377	5962-9091001M	FLIP-FLOP, D-TYPE, OCTAL, EDGE-TRIG GERED, WITH CLOCK ENABLE
54LS378	5962-8992501	FLIP-FLOP, D-TYPE, HEX, WITH ENABLE
54HC423A	5962-8949201	MULTIVIBRATOR, DUAL RETRIGGERABLE MONOSTABLE
54F432	5962-9058501	LATCH, MULTI-MODE BUFFERED, INV. (THREE-STATE)
54HC4538	5962-8688601	MULTIVIBRATOR, DUAL RETRIGGERABLE PRECISION MONOSTABLE
54AC533	75404	LATCH, OCTAL TRANSPARENT, WITH INVERTED THREE-STATE OUTPUTS
54HC533	65404	LATCH, D-TYPE, 8-BIT, WITH INVERTED THREE-STATE OUTPUTS
54HC533	5962-8681301	LATCH, D-TYPE, 8-BIT, WITH INVERTED THREE-STATE OUTPUTS
54FCT533	5962-8865101	LATCH, OCTAL TRANPARENT
54FCT533A	5962-8865102	LATCH, OCTAL TRANPARENT
54HC534	65605	FLIP-FLOP, D-TYPE, OCTAL, WITH INVERTED THREE-STATE OUTPUTS
54AC534	75605	FLIP-FLOP, D-TYPE, OCTAL, WITH INVERTING THREE-STATE OUTPUTS
54HC534	5962-8681401	FLIP-FLOP, D-TYPE, OCTAL, WITH INVERTED THREE-STATE OUTPUTS
54ALS534	5962-8866801	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54FCT534	5962-8865501	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54FCT534A	5962-8865502	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54HCT534	5962-8984901	FLIP-FLOP, D-TYPE, OCTAL INVERTING, POS. EDGE-TRIGGERED, WITH 3-STATE OUTPUTS
54ACT534	5962-8965801	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE INPUTS
54BCT534	5962-9074701M	FLIP-FLOP, D-TYPE, OCTAL WITH INVERTED THREE-STATE OUTPUTS, TTL COMPATIBLE
54AC563	75405	LATCH, OCTAL D-TYPE WITH INVERTED THREE-STATE OUTPUTS
54HC563	65405	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH THREE-STATE OUTPUTS
54HC563	5962-8606201	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH THREE-STATE OUTPUTS
54ALS563A	5962-8870001	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH THREE-STATE OUTPUTS
54ACT563	5962-8955601	LATCH, D-TYPE, 8-BIT, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE INPUTS
54HC564	65606	FLIP-FLOP, D-TYPE, OCTAL, EDGE-TRIG GERED, WITH INVERTED THREE-STATE OUTPUTS
54AC564	75606	FLIP-FLOP, D-TYPE, OCTAL, WITH INVERTING THREE-STATE OUTPUTS
54F564	34111	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54HC564	5962-8681501	FLIP-FLOP, D-TYPE, OCTAL, EDGE-TRIG GERED, WITH INVERTED THREE-STATE OUTPUTS
54ACT564	5962-8955701	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54AC573	75406	LATCH, OCTAL D-TYPE WITH THREE-STATE OUTPUTS
54HCT573	5962-8685601	LATCH, D-TYPE, 8-BIT, WITH THREE-STATE OUTPUTS AND LSTTL-COMPATIBLE INPUTS
54ACT573	5962-8766401	LATCH, D-TYPE, 8-BIT, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE INPUTS
54FCT573	5962-8863901	LATCH, OCTAL TRANSPARENT, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54FCT573A	5962-8863902	LATCH, OCTAL TRANSPARENT, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54F574	34110	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54AC574	75604	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54FCT574	5962-8951301	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54FCT574A	5962-8951302	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54ACT574	5962-8960101	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54F574	5962-8972401	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54FCT574	5962-8951302	FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS
54ALS576A	8400102	FLIP-FLOP, D-TYPE, OCTAL, WITH INVERTED THREE-STATE OUTPUTS
54ALS576A	37105	FLIP-FLOP, D-TYPE, OCTAL, WITH INVERTED THREE-STATE OUTPUTS
54ALS580	8401202	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH INVERTED THREE-STATE OUTPUTS
54ALS580	38202	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH INVERTED THREE-STATE OUTPUTS
54HC73	65301	FLIP-FLOP, JK, DUAL, WITH RESET
54HC73	5962-8515301	FLIP-FLOP, JK, DUAL, WITH RESET
54ACT74	5962-8752501	FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR AND TTL-COMPATIBLE INPUTS
54HC75	65401	LATCH, TRANSPARENT, DUAL 2-BIT
54HC75	8407001	LATCH, TRANSPARENT, DUAL 2-BIT
54HCT75	5962-9075801M	LATCH, TRANSPARAENT, DUAL, 2-BIT BISTABLE, TTL-COMPATIBLE INPUTS
54HC76	5962-8773201	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR
54ACT821	5962-8870501	FLIP-FLOP, D-TYPE, 10-BIT, WITH THREE-STATE OUTPUTS AND TTL-COMPATIBLE INPUTS
54AS821	5962-9078001M	BUS INTERFACE FLIP-FLOP, 10-BIT, WITH NONINVERTING INPUTS AND THREE-STATE OUTPUT
54AS822	5962-9078002M	BUS INTERFACE FLIP-FLOP, 10-BIT, WITH INVERTING INPUTS AND THREE-STATE OUTPUTS

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MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
Flip-Flops 3/ (continued)		
54AS825	5962-9078003M	BUS INTERFACE FLIP-FLOP, 8-BIT, WITH NONINVERTING INPUTS AND THREE-STATE OUTPUTS
54AS826	5962-9078004M	BUS INTERFACE FLIP-FLOP, 8-BIT, WITH INVERTING INPUTS AND THREE-STATE OUTPUTS
54FCT841A	5962-8857501	LATCH, BUS INTERFACE, 10-BIT NONINVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE
54FCT841B	5962-8857502	LATCH, BUS INTERFACE, 10-BIT NONINVERTING, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE
54ALS873	8403201	LATCH, D-TYPE TRANSPARENT, DUAL 4-BIT, WITH THREE-STATE OUTPUTS
54ALS873	38203	LATCH, D-TYPE TRANSPARENT, DUAL 4-BIT, WITH THREE-STATE OUTPUTS
54ALS874B	37106	FLIP-FLOP, D-TYPE, DUAL 4-BIT, WITH CLEAR AND THREE-STATE OUTPUTS
54ALS874B	8401001	FLIP-FLOP, D-TYPE, DUAL 4-BIT, WITH CLEAR AND THREE-STATE OUTPUTS
54ALS876	37107	FLIP-FLOP, D-TYPE, DUAL 4-BIT, WITH PRESET AND THREE-STATE INVERTED OUTPUTS
54ALS880	38204	LATCH, D-TYPE TRANSPARENT, DUAL 4-BIT, WITH INVERTED THREE-STATE OUTPUTS
54ALS996	5962-8994501	LATCH, D-TYPE, 8-BIT, EDGE-TRIGGERED READ BACK
8282	8417903	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH THREE STATE OUTPUTS
8283	8417904	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH INVERTED THREE-STATE OUTPUTS
Combinational Gates 4/		
(SEE DWG)	5962-8873904	MULTIPLIER, 8 X 8 UNSIGNED MAGNITUDE
(SEE DWG)	5962-8873902	MULTIPLIER, 8 X 8 TWOS COMPLEMENT
(SEE DWG)	5962-8873903	MULTIPLIER, 8 X 8 UNSIGNED MAGNITUDE
(SEE DWG)	5962-8873901	MULTIPLIER, 8 X 8 TWOS COMPLEMENT
10H558	5962-8756601	DATA SEL/MULTIPLEXER, QUAD 2-INPUT NONINVERTING
10558	5962-8779201	MULTIPLEXER, QUAD 2-INPUT, NONINVERTING
10H560	5962-8756201	PARITY GENERATOR/CHECKER, 12-BIT
10H561	5962-8756701	DECODER, BINARY TO 1-OF-8
10H564	5962-8772901	MULTIPLEXER, 8-INPUT
10564	5962-8852701	MULTIPLEXER, 8-INPUT
10H571	5962-8756801	DECODER, BINARY TO 1-4
10H574	5962-8750601	DATA SEL/MULTIPLEXER, DUAL 4-TO-1
15530	7802901	MANCHESTER ENCODER/DECODER
TMC2009	5962-9099601M	MULTIPLIER/ACCUMULATOR, 12 X 12 BIT
TMC208KB5V	5962-8873901	MULTIPLIER, 8 X 8 TWOS COMPLEMENT
TMC208KB5V1	5962-8873902	MULTIPLIER, 8 X 8 TWOS COMPLEMENT
25LS2513	5962-8754201	PRIORITY ENCODER, 8-LINE-TO-3-LINE
25LS2521	5962-8671301	IDENTITY COMPARATOR, 8-BIT
TMC28KUB5V	5962-8873903	MULTIPLIER, 8 X 8 UNSIGNED MAGNITUDE
TMC28KUB5V1	5962-8873904	MULTIPLIER, 8 X 8 UNSIGNED MAGNITUDE
L4C381-45	5962-8995901	ARITHMETIC LOGIC UNIT, 16-BIT CASCADABLE
54ACT11353	5962-9090601M	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH THREE-STATE OUTPUTS, TTL-COMP. INPUTS
54ACT11520	5962-8979303	IDENTITY COMPARATOR, 8-BIT, TTL-COMPAT IBLE INPUTS
54ACT11521	5962-8979304	IDENTITY COMPARATOR, 8-BIT, TTL-COMPAT IBLE INPUTS
54ACT138	5962-8755401	DECODER/DEMULTIPLEXER, 3-LINE-TO-8-LINE
54FCT138	5962-8765401	DECODER, 3-LINE-TO-8-LINE, TTL-COMPATIBLE
54FCT138A	5962-8765402	DECODER, 3-LINE-TO-8-LINE, TTL-COMPATIBLE
54AC139	75803	DECODER, DUAL 2-LINE-TO-4-LINE
54HCT139	65853	DECODER, DUAL 2-LINE-TO-4-LINE
54ALS139	5962-8768301	DECODER, DUAL 2-LINE-TO-4-LINE
54ACT139	5962-8755301	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE
54AC139	5962-8762301	DECODER, DUAL 2-LINE-TO-4-LINE
54FCT139A	5962-8950802	DECODER, DUAL 1-OF-4
54FCT139	5962-8950801	DECODER, DUAL 1-OF-4
54LS145	8508401	DECODER/DRIVER, BCD-TO-DECIMAL
54HC147	8406401	PRIORITY ENCODER, 10-TO-4-LINE
54F148	5962-8607001	PRIORITY ENCODER, 8-LINE-TO-3-LINE
54HC151B	66201	DATA SEL/MULTIPLEXER, 8-INPUT, WITH ENABLE
54ALS151	8414101	DATA SEL/MULTIPLEXER, 8-INPUT
54HC151B	8412801	DATA SEL/MULTIPLEXER, 8-INPUT, WITH ENABLE
54ACT151	5962-8875601	DECODER/DEMULTIPLEXER, 8-INPUT, TTL-COMPATIBLE
54HCT151	5962-9065201M	DATA SEL/MULTIPLEXER, 8-INPUT, TTL-COMPATIBLE INPUTS
54HC153B	66202	DATA SEL/MULTIPLEXER, DUAL 4-INPUT
54ALS153	8413401	DATA SEL/MULTIPLEXER, DUAL 4-INPUT
54HC153B	8409301	DATA SEL/MULTIPLEXER, DUAL 4-INPUT
54ACT153	5962-8769801	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, TTL-COMPATIBLE INPUTS
54HCT153	5962-9050501M	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, TTL-COMPATIBLE INPUTS
54LS154	8301701	DECODER/DEMULTIPLEXER, 4-LINE-TO-16-LINE
54HC154	65804	DECODER, 4-TO-16-LINE
54HCT154	5962-8670101	DECODER, 4-TO-16-LINE
54HC154	5962-8682201	DECODER, 4-TO-16-LINE
54HC157B	66203	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54ALS157	5962-8686901	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54HC157B	5962-8606101	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54ACT157	5962-8968801	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, TTL-COMPATIBLE INPUTS
54HCT157	5962-9070201M	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, NONINVERTING, TTL-COMPATIBLE INPUTS
54AC158	76204	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54ALS158	5962-8862501	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54ACT158	5962-8875501	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54AC158	5962-8972901	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54HCT158	5962-9070301M	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, INVERTING, TTL-COMPATIBLE INPUTS
54FCT182	5962-8865201	LOOKAHEAD CARRY GENERATOR, HIGH-SPEED
54FCT182A	5962-8865202	LOOKAHEAD CARRY GENERATOR, HIGH-SPEED
54HC237	5962-8860601	DECODER/DEMULTIPLEXER, 3-LINE-TO-8-LINE, WITH ADDRESS LATCH
54HCT237	5962-9061301	DECODER/DEMULTIPLEXER, 3-LINE-TO-8-LINE, W/ ADDRESS LATCHES, TTL-COMPATIBLE
54HC238	5962-8688401	DECODER/DEMULTIPLEXER, 3-LINE-TO-8-LINE
54HCT238	5962-8974501	DECODER/DEMULTIPLEXER, 3-LINE-TO-8-LINE, TTL-COMPATIBLE INPUTS
54LS248	5962-8994401	DECODER/DRIVER, BCD-TO-SEVEN-SEGMENT
54AS250A	5962-9056201	DATA GENERATOR/MULTIPLEXER, 1-OF-16, WITH THREE-STATE OUTPUTS
54HC251B	66205	DATA SEL/MULTIPLEXER, 8-INPUT, WITH THREE-STATE OUTPUTS
54AC251	76205	DATA SEL/MULTIPLEXER, 8-INPUT, WITH THREE-STATE OUTPUTS

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MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Combinational gates 4/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
54HC251B	8512501	DATA SEL/MULTIPLEXER, 8-INPUT, WITH THREE-STATE OUTPUTS
54ALS251	8413501	DATA SEL/MULTIPLEXER, 8-INPUT, WITH THREE-STATE OUTPUTS
54AC251	5962-8769201	DATA SEL/MULTIPLEXER, 8-INPUT, WITH THREE-STATE OUTPUTS
54ACT251	5962-8959901	DATA SEL/MULTIPLEXER, 8-INPUT, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE INPUTS
54HCT251	5962-9052401M	DATA SEL/MULTIPLEXER, 8-INPUT, THREE-STATE, TTL-COMPATIBLE INPUTS
54HC253B	66206	DATA SEL/MULTIPLEXER, DUAL 4-LINE TO 1-LINE, WITH THREE-STATE OUTPUTS
54AC253	76206	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH THREE-STATE OUTPUTS
54ALS253	8509601	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH THREE-STATE OUTPUTS
54AC253	5962-8769301	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH THREE-STATE OUTPUTS
54ACT253	5962-8776101	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54HC253B	5962-8868201	DATA SEL/MULTIPLEXER, DUAL 4-LINE TO 1-LINE, WITH THREE-STATE OUTPUTS
54HC257	66207	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS
54AC257	76207	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS
54ALS257	8509701	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS
54HC257	8512401	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS
54AC257	5962-8870301	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS
54ACT257	5962-8968901	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE OUTPUTS, TTL-COMPATIBLE INPUTS
54HCT257	5962-8970501	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE NONINVERTING OUTPUTS
54ALS258	5962-8862601	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS
54HCT258	5962-8970801	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH 3-STATE INVERTING OUTPUTS, TTL-COMPATIB
54ACT258	5962-8870401	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS
54LS261	8002601	MULTIPLIER, BINARY, 2-BIT-BY-4-BIT
54LS261	31801	MULTIPLIER, BINARY, 2-BIT-BY-4-BIT
54HC280	8607701	PARITY GENERATOR/CHECKER, 9-BIT ODD/EVEN
54HC283	5962-8976501	ADDER, 4-BIT BINARY FULL, WITH FAST CARRY
54AS286	5962-8966301	PARITY GENERATOR/CHECKER, 9-BIT, WITH BUS DRIVER PARITY I/O PORT
54ALS29843	5962-9072001M	BUS INTERFACE LATCH, D-TYPE, 9-BIT, WITH THREE-STATE OUTPUTS
54LS353	8550801	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH THREE-STATE OUTPUTS
54LS382	5962-8688101	ARITHMETIC LOGIC UNIT/FUNCTION GENERATOR
54HC4050	5962-8682001	CONVERTER, HEX LOGIC LEVEL DOWN
54HC42	65801	DECODER, BCD-TO-DECIMAL
54HC42	5962-8682101	DECODER, BCD-TO-DECIMAL
54HC4511	5962-8773301	DECODER/DRIVER, BCD-TO-7-SEGMENT
54F518	5962-8871001	IDENTITY COMPARATOR, 8-BIT, WITH OPEN-COLLECTOR OUTPUTS
54F519	5962-8871101	IDENTITY COMPARATOR, 8-BIT, WITH OPEN-COLLECTOR OUTPUTS
54F520	5962-8871201	IDENTITY COMPARATOR, 8-BIT
54ALS520	5962-8869101	IDENTITY COMPARATOR, 8-BIT
54ACT520	5962-8979301	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS
54FCT521	5962-8854301	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS
54FCT521A	5962-8854302	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS
54ACT521	5962-8979302	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS
54FCT521B	5962-8854303	IDENTITY COMPARATOR, 8-BIT, TTL-COMPATIBLE INPUTS
54HC688	5962-8681801	MAGNITUDE COMPARATOR, 8-BIT
54HCT688	5962-8685701	MAGNITUDE COMPARATOR, 8-BIT, WITH LSTTL-COMPATIBLE INPUTS
54ALS688	5962-8857801	IDENTITY COMPARATOR, 8-BIT
54HC85	8601301	MAGNITUDE COMPARATOR, 4-BIT
54HCT85	5962-8867201	MAGNITUDE COMPARATOR, 4-BIT
721055	5962-8873301	MULTIPLIER, 16-BIT PARALLEL
721065	5962-8873302	MULTIPLIER, 16-BIT PARALLEL
721075	5962-8873303	MULTIPLIER, 16-BIT PARALLEL
7216L-40	5962-8687301	MULTIPLIER, 16-BIT PARALLEL, 42 NS MULTIPLY TIME
7216L-55	5962-8687302	MULTIPLIER, 16-BIT PARALLEL, 55 NS MULTIPLY TIME
7216L-75	5962-8687303	MULTIPLIER, 16-BIT PARALLEL, 75 NS MULTIPLY TIME
7217L-40	5962-8768601	MULTIPLIER, 16-BIT PARALLEL, 42 NS MULTIPLY TIME
7217L-55	5962-8768602	MULTIPLIER, 16-BIT PARALLEL, 55 NS MULTIPLY TIME
7217L-75	5962-8768603	MULTIPLIER, 16-BIT PARALLEL, 75 NS ACCESS TIME
93S48	5962-8672601	PARITY GENERATOR/CHECKER, 12-BIT

Sequential registers/counters 5/

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
10H416	5962-8759001	BINARY COUNTER, 4-BIT
10H536	5962-8700101	UNIVERSAL COUNTER
10H541	5962-8751101	SHIFT REGISTER, 4-BIT UNIVERSAL
10541	5962-8855701	SHIFT REGISTER, UNIVERSAL
TMC2011V	5962-8944601	SHIFT REGISTER, 8-BIT, VARIABLE-LENGTH (3-18 STAGES), 30 MHZ
TMC2111V	5962-8944602	SHIFT REGISTER, 8-BIT, VARIABLE-LENGTH (1-16 STAGES), 30 MHZ
25LS2519	5962-8670201	REGISTER, D-TYPE, QUAD, WITH TO INDEPENDENTLY CONTROLLED THREE-STATE OUTPUTS
29LS18	5962-8671901	REGISTER, D-TYPE, QUAD, WITH STANDARD AND THREE-STATE OUTPUTS
29FCT520B	5962-8873603	PIPELINE REGISTER, MULTILEVEL
29FCT520A	5962-8873601	PIPELINE REGISTER, MULTILEVEL
29FCT521B	5962-8873604	PIPELINE REGISTER, MULTILEVEL
29FCT521A	5962-8873602	PIPELINE REGISTER, MULTILEVEL
29818A	5962-8954901	PIPELINE REGISTER, WITH SERIAL SHADOW REGISTER DIAGNOSTICS
AM29C818	5962-9051501	PIPELINE REGISTER
29821A	5962-8775501	BUS INTERFACE REGISTER, 10-WIDE
29C821	5962-8851601	REGISTER, BUS INTERFACE, 10-WIDE, HIGH PERFORMANCE
29C823	5962-8851602	REGISTER, BUS INTERFACE, 9-WIDE, HIGH PERFORMANCE
29823A	5962-8775502	BUS INTERFACE REGISTER, 9-WIDE
29825A	5962-8775503	BUS INTERFACE REGISTER, 8-WIDE
29921A	5962-8775504	BUS INTERFACE REGISTER, 10-WIDE
29923A	5962-8775505	BUS INTERFACE REGISTER, 9-WIDE
29925A	5962-8775506	BUS INTERFACE REGISTER, 8-WIDE
54ALS160	38101	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD
54HC160	66301	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS RESET
54HC160	5962-8682401	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNCHRONOUS RESET

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Sequential registers/counters 5/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
54HCT160	5962-9070501M	BCD DECADE COUNTER, ASYNCHRONOUS RESET, TTL-COMPATIBLE INPUTS
54AC161	76302	BINARY COUNTER, 4-BIT SYNCHRONOUS PRESETTABLE
54HCT161	5962-8685401	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH ASYNC. CLEAR AND LSTTL-COMPATIBLE INPUTS
54FCT161	5962-8864001	BINARY COUNTER, 4-BIT SYNCHRONOUS, PRESETTABLE, TTL-COMPATIBLE
54AC161	5962-8956101	BINARY COUNTER, 4-BIT SYNCHRONOUS PRESETTABLE
54HC162	66303	BCD COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS RESET
54ALS162A	38102	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR
54HC162	8409401	BCD COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS RESET
54ALS162A	8407901	DECADE COUNTER, 4-BIT SYNCHRONOUS, WITH SYNCHRONOUS CLEAR
54HCT162	5962-8970701	BCD DECADE COUNTER, 4-BIT SYNCHRO NOUS RESET, TTL-COMPATIBLE INPUTS
54AC163	76304	BINARY COUNTER, 4-BIT SYNCHRONOUS PRESETTABLE
54FCT163A	5962-8865702	BINARY COUNTER, 4-BIT SYNCHRONOUS PRESETTABLE
54FCT163	5962-8865701	BINARY COUNTER, 4-BIT SYNCHRONOUS PRESETTABLE, TTL-COMPATIBLE
54AC163	5962-8958201	BINARY COUNTER, 4-BIT SYNCHRONOUS PRESETTABLE
54F164	5962-8607101	SHIFT REGISTER, 8-BIT SERIAL-IN PARALLEL-OUT
54HCT164	5962-8970401	SHIFT REGISTER, 8-BIT SERIAL-IN/PARALLEL-OUT, TTL-COMPATIBLE INPUTS
54ALS164	5962-8687001	SHIFT REGISTER, 8-BIT PARALLEL-OUT SERIAL
54HCT165	5962-8685501	SHIFT REGISTER, 8-BIT PARALLEL-IN SERIAL-OUT, WITH LSTTL-COMPATIBLE INPUTS
54ALS165	5962-8957401	SHIFT REGISTER, 8-BIT PARALLEL LOAD
54HC166	66503	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT
54ALS168	38103	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN
54LS168	31505	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN
54LS168	8001801	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN
54LS169	31506	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN
54LS169	8001802	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN
54F169	5962-8607201	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN
54LS170	31902	REGISTER FILE, 4 X 4, WITH OPEN COLLECTOR OUTPUTS
54LS170	8002501	REGISTER FILE, 4 X 4, WITH OPEN COLLECTOR OUTPUTS
54HC190	5962-8994601	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN
54F191	34303	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN
54AC191	76305	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK
54HC191	66305	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN, WITH PRESET
54ALS191	5962-8684001	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN
54HC191	5962-8689101	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN, WITH PRESET
54HCT191	5962-8867101	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN, PRESETTABLE, TTL-COMPATIBLE INPUTS
54FCT191	5962-8973301	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN, WITH PRESET AND RIPPLE CLOCK
54AC191	5962-8974901	BINARY COUNTER, UP/DOWN, WITH PRESET AND RIPPLE CLOCK
54FCT191A	5962-8973302	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN, WITH PRESET AND RIPPLE CLOCK
54HC192	66306	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN, WITH ASYNCHRONOUS RESET
54HC192	5962-8780801	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN, WITH ASYNCHRONOUS RESET
54HC193	66307	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN, WITH ASYNCHRONOUS RESET
54HC193	5962-8772401	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN, WITH ASYNCHRONOUS RESET
54ALS193	5962-8869801	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN
54HC194	66504	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL
54HC194	5962-8682601	SHIFT REGISTER, 4-BIT BIDIRECTIONAL UNIVERSAL
54HC195	66505	SHIFT REGISTER, 4-BIT PARALLEL
54HC195	5962-8682701	SHIFT REGISTER, 4-BIT PARALLEL
54LS196	32001	DECADE/BINARY COUNTER, 4-BIT PRESETTABLE, 30 MHZ
54LS196	7701001	DECADE/BINARY COUNTER, 4-BIT PRESETTABLE, 30 MHZ
54F269	5962-8862701	BINARY COUNTER, 8-BIT BIDIRECTIONAL
54ALS29823	5962-9067501M	FLIP-FLOP, 9-BIT BUS INTERFACE, THREE-STATE OUTPUTS, NONINVERTING INPUTS
54ALS29824	5962-9067502M	FLIP-FLOP, 9-BIT BUS INTERFACE, THREE-STATE OUTPUTS, INVERTING INPUTS
54ALS29825	5962-9069501M	BUS INTERFACE REGISTER, 8-BIT
54LS299	7802401	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL
54ALS299	8302101	SHIFT/STORAGE REGISTER, 8-BIT BIDIREC TIONAL UNIVERSAL, WITH THREE-STATE OUTPUTS
54HC299	66506	SHIFT REGISTER, 8-BIT UNIVERSAL, WITH THREE-STATE OUTPUTS
54ALS299	37601	SHIFT/STORAGE REGISTER, 8-BIT BIDIREC TIONAL UNIVERSAL, WITH THREE-STATE OUTPUTS
54FCT299	5962-8686201	SHIFT REGISTER, 8-BIT UNIVERSAL, TTL-COMPATIBLE WITH THREE-STATE OUTPUTS
54HC299	5962-8780601	SHIFT REGISTER, 8-BIT UNIVERSAL, WITH THREE-STATE OUTPUTS
54F299	5962-8957301	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH THREE-STATE OUTPUTS
54ACT299	5962-8877101	SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL, WITH COMMON PARALLEL I/O PINS, TTL-COMP
54FCT299A	5962-8686202	SHIFT REGISTER, 8-BIT UNIVERSAL, TTL-COMPATIBLE WITH THREE-STATE OUTPUTS
54F322	5962-8607401	SHIFT REGISTER, 8-BIT SERIAL/PARALLEL WITH SIGN EXTEND AND THREE-STATE OUTPUTS
54ALS323	8302102	SHIFT/STORAGE REGISTER, 8-BIT BIDIREC TIONAL UNIVERSAL, WITH THREE-STATE OUTPUTS
54ALS323	37602	SHIFT/STORAGE REGISTER, 8-BIT BIDIREC TIONAL UNIVERSAL, WITH THREE-STATE OUTPUTS
54F350	5962-8607501	SHIFT REGISTER, 4-BIT, WITH THREE-STATE OUTPUTS

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MILITARY

MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
Sequential registers/counters 5/ (continued)		
54F378	34108	REGISTER, D-TYPE, HEX PARALLEL
54F378	5962-8855501	REGISTER, D-TYPE, HEX PARALLEL
54HC390	66308	BINARY COUNTER, DUAL, WITH DIVIDE BY 2 AND DIVIDE BY 5 SECTIONS
54HC390	8600901	BINARY COUNTER, DUAL, WITH DIVIDE BY 2 AND DIVIDE BY 5 SECTIONS
54HCT393	5962-8989001	BINARY COUNTER, DUAL 4-STAGE, TTL COMPATIBLE INPUTS
54LS396	5962-9050301	STORAGE REGISTER, OCTAL, LOW-POWER
54LS399	8415401	REGISTER, QUAD 2-PORT
54FCT399A	5962-8965202	REGISTER, QUAD DUAL-PORT, TTL-COMPAT IBLE
54FCT399	5962-8965201	REGISTER, QUAD DUAL-PORT, TTL-COMPAT IBLE
54HCT40102	5962-9057401	BCD COUNTER, 8-BIT SYNCHRONOUS DOWN, TTL-COMPATIBLE INPUTS
54HC40103	5962-9055301	BINARY COUNTER, 8-BIT SYNCHRONOUS
54HC4017	66310	DECADE COUNTER/DIVIDER
54HC4017	8601101	DECADE COUNTER/DIVIDER
54HCT4017	5962-9059701M	DECADE COUNTER/DIVIDER, WITH 10 DECODED OUTPUTS, TTL-COMPATIBLE INPUTS
54HC4020	66311	BINARY COUNTER, 14-STAGE RIPPLE
54HC4020	8500301	BINARY COUNTER, 14-STAGE RIPPLE
54HCT4020	5962-8945801	BINARY COUNTER, 14-STAGE RIPPLE, TTL COMPATIBLE INPUTS
54HC4024	66312	BINARY COUNTER, 7-STAGE RIPPLE
54HC4024	8601201	BINARY COUNTER, 7-STAGE RIPPLE
54HC4040	66313	BINARY COUNTER, 12-STAGE RIPPLE
54HC4040	8500401	BINARY COUNTER, 12-STAGE RIPPLE
54HCT4040	5962-8994701M	BINARY COUNTER, 12-STAGE RIPPLE-CARRY, TTL-COMPATIBLE INPUTS
54HCT4059	5962-8862401	COUNTER, PROGRAMMABLE DIVIDE-BY-N, WITH TTL-COMPATIBLE INPUTS
54HC4059	5962-8944501	COUNTER, PROGRAMMABLE DIVIDE-BY-N
54HC4060	5962-8768001	BINARY COUNTER, 14-STAGE
54HCT4060	5962-8977101	BINARY COUNTER, 14-STAGE, WITH OSCILLA TOR AND TTL COMPATIBLE INPUTS
54ALS560	38104	DECADE COUNTER, 4-BIT SYNCHRONOUS
54ALS561A	38004	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH THREE-STATE OUTPUTS
54ALS561A	8302203	BINARY COUNTER, 4-BIT SYNCHRONOUS, WITH THREE-STATE OUTPUTS
54ALS568	38105	DECADE COUNTER, 4-BIT SYNCHRONOUS
54ALS569A	38005	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN, WITH THREE-STATE OUTPUTS
54ALS569A	8302502	BINARY COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN, WITH THREE-STATE OUTPUTS
54F579	5962-8954501	BINARY COUNTER, 8-BIT BIDIRECTIONAL, WITH THREE-STATE OUTPUTS
54LS590	5962-8751701	BINARY COUNTER, 8-BIT, WITH THREE-STATE OUTPUT REGISTERS
54HC590	5962-8960301	BINARY COUNTER, 8-BIT, WITH THREE-STATE OUTPUT REGISTERS
54LS592	5962-8762101	BINARY COUNTER, 8-BIT, WITH INPUT REGISTERS
54HC595	66507	SHIFT REGISTER, 8-BIT, WITH OUTPUT LATCHES
54LS595	5962-8671701	SHIFT REGISTER, 8-BIT, WITH THREE-STATE OUTPUTS
54HC595	5962-8681601	SHIFT REGISTER, 8-BIT, WITH OUTPUT LATCHES
54HC597	5962-8681701	SHIFT REGISTER, 8-BIT, WITH INPUT LATCHES
54HCT597	5962-8974101	SHIFT REGISTER, 8-BIT, WITH I/P LATCH, TTL-COMPATIBLE INPUTS
54LS668	5962-8687601	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/ DOWN
54LS673	5962-8860201	SHIFT REGISTER, 16-BIT, SERIAL-IN SERIAL-OUT WITH 16-BIT PARALLEL-OUT STORAGE
54LS674	5962-8860701	SHIFT REGISTER, 16-BIT PAR. TO SER.
54F676	5962-8854601	SHIFT REGISTER, 16-BIT, SERIAL/PARALLEL-IN, SERIAL-OUT
54FCT821B	5962-8860802	REGISTER, 10-BIT, NONINVERTING
54FCT821A	5962-8860801	REGISTER, 10-BIT, NONINVERTING
54FCT823B	5962-8865602	REGISTER, 9-BIT NONINVERTING
54FCT823A	5962-8865601	REGISTER, 9-BIT NONINVERTING
54FCT824B	5962-8966502	REGISTER, 9-BIT WIDE BUFFERED, TTL-COMPATIBLE, WITH INVERTED 3-STATE OUTPUTS
54FCT824A	5962-8966501	REGISTER, 9-BIT WIDE BUFFERED, TTL-COMPATIBLE, WITH INVERTED 3-STATE OUTPUTS
54FCT825A	5962-8867401	BUS INTERFACE REGISTER, 8-BIT, NONINVERTING, TTL-COMPATIBLE
54FCT825B	5962-8867402	BUS INTERFACE REGISTER, 8-BIT, NONINVERTING, TTL-COMPATIBLE
54ALS870	5962-8988901	REGISTER FILE, DUAL 16-WORD BY 4-BIT
54F198	5962-9050201	SHIFT REGISTER, 8-BIT BIDIRECTIONAL UNIVERSAL
SP8718	5962-8861701	COUNTER, DIVIDE BY 64 OR 65
SP8755	5962-8868401	COUNTER, DIVIDE BY 64 PRESCALER, WITH TTL-COMPATIBLE OUTPUTS
RAM6/		
(SEE DWG)	8403604	STATIC RAM, 2K X 8, 150 NS ACCESS TIME
(SEE DWG)	8201001	DYNAMIC RAM, 64K X 1, THREE-STATE OUTPUTS, 150 NS ACCESS TIME
(SEE DWG)	8403603	STATIC RAM, 2K X 8, 90 NS ACCESS TIME
(SEE DWG)	8201008	DYNAMIC RAM, 64K X 1, THREE-STATE OUTPUTS, 120 NS ACCESS TIME
(SEE DWG)	8201006	DYNAMIC RAM, 64K X 1, THREE-STATE OUTPUTS, 150 NS ACCESS TIME
(SEE DWG)	8201005	DYNAMIC RAM, 64K X 1, THREE-STATE OUTPUTS, 200 NS ACCESS TIME
(SEE DWG)	8102401	STATIC RAM, 4K X 1
(SEE DWG)	8201003	DYNAMIC RAM, 64K X 1, THREE-STATE OUTPUTS, 200 NS ACCESS TIME
(SEE DWG)	8201002	DYNAMIC RAM, 64K X 1, THREE-STATE OUTPUTS, 150 NS ACCESS TIME
(SEE DWG)	8201007	DYNAMIC RAM, 64K X 1, THREE-STATE OUTPUTS, 200 NS ACCESS TIME
(SEE DWG)	8102402	STATIC RAM, 1K X 4
(SEE DWG)	8201004	DYNAMIC RAM, 64K X 1, THREE-STATE OUTPUTS, 150 NS ACCESS TIME
(SEE DWG)	5962-8770302	STATIC RAM, 256 X 9, WITH THREE-STATE OUTPUTS, 60 NS ACCESS TIME
(SEE DWG)	8103908	STATIC RAM, 2K X 8, 200 NS ACCESS TIME
(SEE DWG)	8103907	STATIC RAM, 2K X 8, 120 NS ACCESS TIME
(SEE DWG)	8103906	STATIC RAM, 2K X 8, 90 NS ACCESS TIME
(SEE DWG)	8403611	STATIC RAM, 2K X 8, 55 NS ACCESS TIME
(SEE DWG)	8403607	STATIC RAM, 2K X 8, 120 NS ACCESS TIME
(SEE DWG)	8403608	STATIC RAM, 2K X 8, 45 NS ACCESS TIME
(SEE DWG)	8403609	STATIC RAM, 2K X 8, 45 NS ACCESS TIME
(SEE DWG)	8515202	DYNAMIC RAM, 256K X 1, 200 NS ACCESS TIME
(SEE DWG)	8515201	DYNAMIC RAM, 256K X 1, 150 NS ACCESS TIME
(SEE DWG)	8403616	STATIC RAM, 2K X 8, 90 NS ACCESS TIME
(SEE DWG)	8403610	STATIC RAM, 2K X 8, 55 NS ACCESS TIME
(SEE DWG)	8403614	STATIC RAM, 2K X 8, 35 NS ACCESS TIME
(SEE DWG)	8403615	STATIC RAM, 2K X 8, 120 NS ACCESS TIME
(SEE DWG)	5962-8670503	STATIC RAM, 4K X 4, 35 NS ACCESS TIME
(SEE DWG)	5962-8670504	STATIC RAM, 4K X 4, 35 NS ACCESS TIME
(SEE DWG)	8413202	STATIC RAM, 16K X 1, 45 NS ACCESS TIME
(SEE DWG)	5962-8670502	STATIC RAM, 4K X 4, 25 NS ACCESS TIME
(SEE DWG)	5962-8670509	STATIC RAM, 4K X 4, 70 NS ACCESS TIME
(SEE DWG)	8403613	STATIC RAM, 2K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8670508	STATIC RAM, 4K X 4, 55 NS ACCESS TIME

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MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

RAM 6/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
(SEE DWG)	5962-8770303	STATIC RAM, 256 X 9, WITH THREE-STATE OUTPUTS, 45 NS ACCESS TIME
(SEE DWG)	8515203	DYNAMIC RAM, 256K X 1, 120 NS ACCESS TIME
(SEE DWG)	8403612	STATIC RAM, 2K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8670510	STATIC RAM, 4K X 4, 70 NS ACCESS TIME
(SEE DWG)	5962-8670507	STATIC RAM, 4K X 4, 55 NS ACCESS TIME
(SEE DWG)	5962-8670506	STATIC RAM, 4K X 4, 45 NS ACCESS TIME
(SEE DWG)	5962-8770301	STATIC RAM, 256 X 9, WITH THREE-STATE OUTPUTS, 70 NS ACCESS TIME
(SEE DWG)	8102403	STATIC RAM, 4K X 1
(SEE DWG)	5962-8859402	STATIC RAM, 256 X 4, 35 NS ACCESS TIME
(SEE DWG)	5962-8866203	STATIC RAM, 32K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-8866202	STATIC RAM, 32K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8685924	STATIC RAM, 16K X 4, 35 NS ACCESS TIME
(SEE DWG)	5962-8866204	STATIC RAM, 32K X 8, 45 NS ACCESS TIME
(SEE DWG)	5962-8751302	STATIC RAM, 4K X 1, 35 NS ACCESS TIME
(SEE DWG)	5962-8866201	STATIC RAM, 32K X 8, 100 NS ACCESS TIME
(SEE DWG)	5962-8687508	STATIC RAM, 1K X 8, DUAL PORT (MASTER), 45 NS ACCESS TIME
(SEE DWG)	5962-8685912	STATIC RAM, 16K X 4, 70 NS ACCESS TIME
(SEE DWG)	5962-8685911	STATIC RAM, 16K X 4, 70 NS ACCESS TIME
(SEE DWG)	5962-8685913	STATIC RAM, 16K X 4, 55 NS ACCESS TIME
(SEE DWG)	5962-8670515	STATIC RAM, 4K X 4, 70 NS ACCESS TIME
(SEE DWG)	5962-8685918	STATIC RAM, 16K X 4, 35 NS ACCESS TIME
(SEE DWG)	5962-8685903	STATIC RAM, 16K X 4, 70 NS ACCESS TIME
(SEE DWG)	5962-8854403	STATIC RAM, 256K X 1, LOW-POWER, 55 NS ACCESS TIME
(SEE DWG)	8413204	STATIC RAM, 16K X 1, 35 NS ACCESS TIME
(SEE DWG)	5962-8854502	STATIC RAM, 64K X 4, LOW-POWER, 45 NS ACCESS TIME
(SEE DWG)	5962-8685904	STATIC RAM, 16K X 4, 70 NS ACCESS TIME
(SEE DWG)	5962-8855203	STATIC RAM, 32K X 8, LOW-POWER, 55 NS ACCESS TIME
(SEE DWG)	5962-8687513	STATIC RAM, 1K X 8, DUAL PORT (SLAVE), 90 NS ACCESS TIME
(SEE DWG)	5962-8687516	STATIC RAM, 1K X 8, DUAL PORT (SLAVE), 45 NS ACCESS TIME
(SEE DWG)	5962-8685905	STATIC RAM, 16K X 4, 55 NS ACCESS TIME
(SEE DWG)	5962-8685902	STATIC RAM, 16K X 4, 85 NS ACCESS TIME
(SEE DWG)	5962-8685906	STATIC RAM, 16K X 4, 55 NS ACCESS TIME
(SEE DWG)	5962-8855202	STATIC RAM, 32K X 8, LOW-POWER, 70 NS ACCESS TIME
(SEE DWG)	8102404	STATIC RAM, 1K X 4
(SEE DWG)	5962-8687512	STATIC RAM, 1K X 8, DUAL PORT (SLAVE), 45 NS ACCESS TIME
(SEE DWG)	5962-8685907	STATIC RAM, 16K X 4, 45 NS ACCESS TIME
(SEE DWG)	5962-8685901	STATIC RAM, 16K X 4, 85 NS ACCESS TIME
(SEE DWG)	5962-8685914	STATIC RAM, 16K X 4, 55 NS ACCESS TIME
(SEE DWG)	5962-8687515	STATIC RAM, 1K X 8, DUAL PORT (SLAVE), 55 NS ACCESS TIME
(SEE DWG)	5962-8855201	STATIC RAM, 32K X 8, LOW-POWER, 100 NS ACCESS TIME
(SEE DWG)	5962-8601508	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 70 NS ACCESS TIME
(SEE DWG)	5962-8687511	STATIC RAM, 1K X 8, DUAL PORT (SLAVE), 55 NS ACCESS TIME
(SEE DWG)	5962-8601506	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
(SEE DWG)	5962-8858803	STATIC RAM, 1K X 4, WITH RESET, 15 NS ACCESS TIME
(SEE DWG)	5962-8601504	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 45 NS ACCESS TIME
(SEE DWG)	5962-8685915	STATIC RAM, 16K X 4, 45 NS ACCESS TIME
(SEE DWG)	5962-8601502	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 35 NS ACCESS TIME
(SEE DWG)	5962-8670511	STATIC RAM, 4K X 4, 25 NS ACCESS TIME
(SEE DWG)	5962-8854501	STATIC RAM, 64K X 4, LOW-POWER, 35 NS ACCESS TIME
(SEE DWG)	5962-8670512	STATIC RAM, 4K X 4, 35 NS ACCESS TIME
(SEE DWG)	5962-8685922	STATIC RAM, 16K X 4, 45 NS ACCESS TIME
(SEE DWG)	5962-8670513	STATIC RAM, 4K X 4, 45 NS ACCESS TIME
(SEE DWG)	5962-8859501	STATIC RAM, 256 X 4, 35 NS ACCESS TIME
(SEE DWG)	5962-8670514	STATIC RAM, 4K X 4, 55 NS ACCESS TIME
(SEE DWG)	5962-8854401	STATIC RAM, 256K X 1, LOW-POWER, 35 NS ACCESS TIME
(SEE DWG)	8413206	STATIC RAM, 16K X 1, 25 NS ACCESS TIME
(SEE DWG)	5962-8685920	STATIC RAM, 16K X 4, 55 NS ACCESS TIME
(SEE DWG)	5962-8854404	STATIC RAM, 256K X 1, LOW-POWER, 70 NS ACCESS TIME
(SEE DWG)	5962-8855204	STATIC RAM, 32K X 8, LOW-POWER, 45 NS ACCESS TIME
(SEE DWG)	5962-8858802	STATIC RAM, 1K X 4, WITH RESET, 25 NS ACCESS TIME
(SEE DWG)	8413207	STATIC RAM, 16K X 1, 25 NS ACCESS TIME
(SEE DWG)	5962-8858801	STATIC RAM, 1K X 4, WITH RESET, 35 NS ACCESS TIME
(SEE DWG)	5962-8687514	STATIC RAM, 1K X 8, DUAL PORT (SLAVE), 70 NS ACCESS TIME
(SEE DWG)	5962-8854504	STATIC RAM, 64K X 4, LOW-POWER, 70 NS ACCESS TIME
(SEE DWG)	5962-8685908	STATIC RAM, 16K X 4, 45 NS ACCESS TIME
(SEE DWG)	5962-8854503	STATIC RAM, 64K X 4, LOW-POWER, 55 NS ACCESS TIME
(SEE DWG)	5962-8685909	STATIC RAM, 16K X 4, 35 NS ACCESS TIME
(SEE DWG)	5962-8687518	STATIC RAM, 1K X 8, DUAL PORT (SLAVE), 35 NS ACCESS TIME
(SEE DWG)	5962-8601505	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
(SEE DWG)	5962-8685917	STATIC RAM, 16K X 4, 35 NS ACCESS TIME
(SEE DWG)	5962-8601501	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 35 NS ACCESS TIME
(SEE DWG)	5962-8685916	STATIC RAM, 16K X 4, 45 NS ACCESS TIME
(SEE DWG)	5962-8685921	STATIC RAM, 16K X 4, 45 NS ACCESS TIME
(SEE DWG)	5962-8687517	STATIC RAM, 1K X 8, DUAL PORT (MASTER), 35 NS ACCESS TIME
(SEE DWG)	5962-8854402	STATIC RAM, 256K X 1, LOW-POWER, 45 NS ACCESS TIME
(SEE DWG)	5962-8687510	STATIC RAM, 1K X 8, DUAL PORT (SLAVE), 70 NS ACCESS TIME
(SEE DWG)	8413208	STATIC RAM, 16K X 1, 55 NS ACCESS TIME
(SEE DWG)	5962-8687501	STATIC RAM, 1K X 8, DUAL PORT (MASTER), 90 NS ACCESS TIME
(SEE DWG)	8413203	STATIC RAM, 16K X 1, 70 NS ACCESS TIME
(SEE DWG)	5962-8687502	STATIC RAM, 1K X 8, DUAL PORT (MASTER), 70 NS ACCESS TIME
(SEE DWG)	5962-8601507	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 70 NS ACCESS TIME
(SEE DWG)	5962-8687503	STATIC RAM, 1K X 8, DUAL PORT (MASTER), 55 NS ACCESS TIME
(SEE DWG)	5962-8685923	STATIC RAM, 16K X 4, 35 NS ACCESS TIME
(SEE DWG)	5962-8687504	STATIC RAM, 1K X 8, DUAL PORT (MASTER), 45 NS ACCESS TIME
(SEE DWG)	5962-8685919	STATIC RAM, 16K X 4, 55 NS ACCESS TIME
(SEE DWG)	5962-8859403	STATIC RAM, 256 X 4, 25 NS ACCESS TIME
(SEE DWG)	5962-8601503	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 45 NS ACCESS TIME
(SEE DWG)	5962-8685910	STATIC RAM, 16K X 4, 35 NS ACCESS TIME
(SEE DWG)	8413205	STATIC RAM, 16K X 1, 35 NS ACCESS TIME
(SEE DWG)	5962-8687505	STATIC RAM, 1K X 8, DUAL PORT (MASTER), 90 NS ACCESS TIME
(SEE DWG)	5962-8687506	STATIC RAM, 1K X 8, DUAL PORT (MASTER), 70 NS ACCESS TIME
(SEE DWG)	5962-8687507	STATIC RAM, 1K X 8, DUAL PORT (MASTER), 55 NS ACCESS TIME
(SEE DWG)	5962-8859401	STATIC RAM, 256 X 4, 15 NS ACCESS TIME
(SEE DWG)	5962-8687509	STATIC RAM, 1K X 8, DUAL PORT (SLAVE), 90 NS ACCESS TIME
(SEE DWG)	5962-8861105	STATIC RAM, 4K X 4, WITH SEPARATE I/O, 25 NS ACCESS TIME
(SEE DWG)	8413209	STATIC RAM, 16K X 1, 45 NS ACCESS TIME
(SEE DWG)	5962-8874001	STATIC RAM, 2K X 8, LOW-POWER, 35 NS ACCESS TIME

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

RAM 6/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
(SEE DWG)	5962-8874002	STATIC RAM, 2K X 8, LOW-POWER, 25 NS ACCESS TIME
(SEE DWG)	5962-8872503	STATIC RAM, 256K X 1, 55 NS ACCESS TIME
(SEE DWG)	5962-8872502	STATIC RAM, 256K X 1, 45 NS ACCESS TIME
(SEE DWG)	5962-8868103	STATIC RAM, 64K X 4, 55 NS ACCESS TIME
(SEE DWG)	5962-8872501	STATIC RAM, 256K X 1, 35 NS ACCESS TIME
(SEE DWG)	5962-8868101	STATIC RAM, 64K X 4, 35 NS ACCESS TIME
(SEE DWG)	5962-8868301	STATIC RAM, 8K X 9, 45 NS ACCESS TIME
(SEE DWG)	5962-8861104	STATIC RAM, 4K X 4, WITH SEPARATE I/O, 35 NS ACCESS TIME
(SEE DWG)	5962-8866501	STATIC RAM, 2K X 16, DUAL PORT (MASTER), 90 NS ACCESS TIME
(SEE DWG)	5962-8868303	STATIC RAM, 8K X 9, 25 NS ACCESS TIME
(SEE DWG)	5962-8866502	STATIC RAM, 2K X 16, DUAL PORT (SLAVE), 90 NS ACCESS TIME
(SEE DWG)	5962-8861102	STATIC RAM, 4K X 4, WITH SEPARATE I/O, 55 NS ACCESS TIME
(SEE DWG)	5962-8866503	STATIC RAM, 2K X 16, DUAL PORT (MASTER), 70 NS ACCESS TIME
(SEE DWG)	5962-8868102	STATIC RAM, 64K X 4, 45 NS ACCESS TIME
(SEE DWG)	5962-8866504	STATIC RAM, 2K X 16, DUAL PORT (SLAVE), 70 NS ACCESS TIME
(SEE DWG)	5962-8868302	STATIC RAM, 8K X 9, 35 NS ACCESS TIME
(SEE DWG)	5962-8872505	STATIC RAM, 256K X 1, 25 NS ACCESS TIME
(SEE DWG)	5962-8872504	STATIC RAM, 256K X 1, 70 NS ACCESS TIME
(SEE DWG)	5962-8868104	STATIC RAM, 64K X 4, 70 NS ACCESS TIME
(SEE DWG)	5962-8861103	STATIC RAM, 4K X 4, WITH SEPARATE I/O, 45 NS ACCESS TIME
(SEE DWG)	5962-8861001	STATIC RAM, 2K X 16, DUAL PORT (MASTER), 90 NS ACCESS TIME
(SEE DWG)	5962-8861002	STATIC RAM, 2K X 16, DUAL PORT (SLAVE), 90 NS ACCESS TIME
(SEE DWG)	5962-8861003	STATIC RAM, 2K X 16, DUAL PORT (MASTER), 70 NS ACCESS TIME
(SEE DWG)	5962-8861004	STATIC RAM, 2K X 16, DUAL PORT (SLAVE), 70 NS ACCESS TIME
(SEE DWG)	5962-8861101	STATIC RAM, 4K X 4, WITH SEPARATE I/O, 70 NS ACCESS TIME
(SEE DWG)	5962-8969001	STATIC RAM, 2K X 8, 25 NS ACCESS TIME
(SEE DWG)	5962-8969002	STATIC RAM, 2K X 8, 20 NS ACCESS TIME
(SEE DWG)	5962-8989203	STATIC RAM, 16K X 4, WITH OE, 20 NS ACCESS TIME
(SEE DWG)	5962-8989205	STATIC RAM, 16K X 4, WITH OE, 15 NS ACCESS TIME
(SEE DWG)	5962-8989206	STATIC RAM, 16K X 4, WITH OE, 15 NS ACCESS TIME
(SEE DWG)	5962-8952403	STATIC RAM, 64K X 4, 45 NS ACCESS TIME
(SEE DWG)	5962-8952404	STATIC RAM, 64K X 4, 35 NS ACCESS TIME
(SEE DWG)	5962-8989103	STATIC RAM, 16K X 4, WITH OE AND CE, 20 NS ACCESS TIME
(SEE DWG)	5962-8969605	STATIC RAM, 64K X 1, 15 NS ACCESS TIME
(SEE DWG)	5962-8969604	STATIC RAM, 64K X 1, 20 NS ACCESS TIME
(SEE DWG)	5962-8969603	STATIC RAM, 64K X 1, 20 NS ACCESS TIME
(SEE DWG)	5962-8969602	STATIC RAM, 64K X 1, 25 NS ACCESS TIME
(SEE DWG)	5962-8969601	STATIC RAM, 64K X 1, 25 NS ACCESS TIME
(SEE DWG)	5962-8988302	STATIC RAM, 8K X 9
(SEE DWG)	5962-8952405	STATIC RAM, 64K X 4, 25 NS ACCESS TIME
(SEE DWG)	5962-8988301	STATIC RAM, 8K X 9
(SEE DWG)	5962-3829410M	STATIC RAM, 8K X 8, 45 NS ACCESS TIME
(SEE DWG)	5962-8952402	STATIC RAM, 64K X 4, 55 NS ACCESS TIME
(SEE DWG)	5962-8952401	STATIC RAM, 64K X 4, 70 NS ACCESS TIME
(SEE DWG)	5962-8988303	STATIC RAM, 8K X 9
(SEE DWG)	5962-3829402M	STATIC RAM, 8K X 8, 120 NS ACCESS TIME
(SEE DWG)	5962-3829401M	STATIC RAM, 8K X 8
(SEE DWG)	5962-8969202	STATIC RAM, 16K X 4, 25 NS ACCESS TIME
(SEE DWG)	5962-8989104	STATIC RAM, 16K X 4, WITH OE AND DUAL CE, 20 NS ACCESS TIME
(SEE DWG)	5962-8989201	STATIC RAM, 16K X 4, WITH OE, 25 NS ACCESS TIME
(SEE DWG)	5962-8969203	STATIC RAM, 16K X 4, 20 NS ACCESS TIME
(SEE DWG)	5962-8989202	STATIC RAM, 16K X 4, WITH OE, 25 NS ACCESS TIME
(SEE DWG)	5962-8989204	STATIC RAM, 16K X 4, WITH OE, 20 NS ACCESS TIME
(SEE DWG)	5962-3829411M	STATIC RAM, 8K X 8, 45 NS ACCESS TIME
(SEE DWG)	5962-8989101	STATIC RAM, 16K X 4, WITH OE AND DUAL CE, 25 NS DATA RETENTION
(SEE DWG)	5962-3829409M	STATIC RAM, 8K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-8989102	STATIC RAM, 16K X 4, WITH OE AND DUAL CE, 25 NS ACCESS TIME
(SEE DWG)	5962-8989105	STATIC RAM, 16K X 4, WITH OE AND DUAL CE, 15 NS ACCESS TIME
(SEE DWG)	5962-8969606	STATIC RAM, 64K X 1, 15 NS ACCESS TIME
(SEE DWG)	5962-3829408M	STATIC RAM, 8K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-3829403M	STATIC RAM, 8K X 8, 120 NS ACCESS TIME
(SEE DWG)	5962-3829406M	STATIC RAM, 8K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8969201	STATIC RAM, 16K X 4, 25 NS ACCESS TIME
(SEE DWG)	5962-8969204	STATIC RAM, 16K X 4, 20 NS ACCESS TIME
(SEE DWG)	5962-3829407M	STATIC RAM, 8K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8989106	STATIC RAM, 16K X 4, WITH OE AND DUAL CE, 15 NS ACCESS TIME
(SEE DWG)	5962-3829404M	STATIC RAM, 8K X 8, 100 NS ACCESS TIME
(SEE DWG)	5962-3829405M	STATIC RAM, 8K X 8, 100 NS ACCESS TIME
(SEE DWG)	5962-8855205	STATIC RAM, 32K X 8, LOW-POWER, 35 NS ACCESS TIME
(SEE DWG)	5962-8855206	STATIC RAM, 32K X 8, LOW-POWER, 25 NS ACCESS TIME
(SEE DWG)	5962-3829429M	STATIC RAM, 8K X 8, 25 NS ACCESS TIME
(SEE DWG)	5962-3829431M	STATIC RAM, 8K X 8, 100 NS ACCESS TIME
(SEE DWG)	5962-3829433M	STATIC RAM, 8K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-3829430M	STATIC RAM, 8K X 8, 20 NS ACCESS TIME
(SEE DWG)	5962-3829428M	STATIC RAM, 8K X 8, 25 NS ACCESS TIME
(SEE DWG)	5962-8855207	STATIC RAM, 32K X 8, LOW-POWER, 70 NS ACCESS TIME
(SEE DWG)	5962-8855208	STATIC RAM, 32K X 8, LOW-POWER, 55 NS ACCESS TIME
(SEE DWG)	5962-8855209	STATIC RAM, 32K X 8, LOW-POWER, 45 NS ACCESS TIME
(SEE DWG)	5962-3829432M	STATIC RAM, 8K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-3829426M	STATIC RAM, 8K X 8, 35 NS ACCESS TIME
(SEE DWG)	5962-3829427M	STATIC RAM, 8K X 8, 35 NS ACCESS TIME
(SEE DWG)	5962-3829425M	STATIC RAM, 8K X 8, 45 NS ACCESS TIME
(SEE DWG)	8201010	DYNAMIC RAM, 64K X 1, THREE-STATE OUTPUTS, 200 NS ACCESS TIME
(SEE DWG)	5962-8995101	STATIC RAM, NON-VOLATILE, 256 X 4, 300 NS ACCESS TIME
(SEE DWG)	5962-3829420M	STATIC RAM, 8K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8995103	STATIC RAM, NON-VOLATILE, 256 X 4, 300 NS ACCESS TIME
(SEE DWG)	5962-3829418M	STATIC RAM, 8K X 8, 15 NS ACCESS TIME

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
RAM 6/ (continued)		
(SEE DWG)	5962-3829423M	STATIC RAM, 8K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-3829419M	STATIC RAM, 8K X 8, 15 NS ACCESS TIME
(SEE DWG)	5962-3829421M	STATIC RAM, 8K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8995102	STATIC RAM, NON-VOLATILE, 256 X 4, 300 NS ACCESS TIME
(SEE DWG)	5962-3829424M	STATIC RAM, 8K X 8, 45 NS ACCESS TIME
(SEE DWG)	5962-3829422M	STATIC RAM, 8K X 8, 55 NS ACCESS TIME
(SEE DWG)	8201009	DYNAMIC RAM, 64K X 1, THREE-STATE OUTPUTS, 150 NS ACCESS TIME
(SEE DWG)	5962-3829417M	STATIC RAM, 8K X 8, 20 NS ACCESS TIME
(SEE DWG)	5962-3829416M	STATIC RAM, 8K X 8, 20 NS ACCESS TIME
(SEE DWG)	5962-3829415M	STATIC RAM, 8K X 8, 25 NS ACCESS TIME
(SEE DWG)	5962-3829414M	STATIC RAM, 8K X 8, 25 NS ACCESS TIME
(SEE DWG)	5962-3829413M	STATIC RAM, 8K X 8, 35 NS ACCESS TIME
(SEE DWG)	5962-9085803M	STATIC RAM, 64K X 16, LOW-POWER, 85 NS ACCESS TIME
(SEE DWG)	5962-8959825M	STATIC RAM, 128K X 8, STANDARD POWER, 70 NS ACCESS TIME
(SEE DWG)	5962-8959826M	STATIC RAM, 128K X 8, STANDARD POWER, 55 NS ACCESS TIME
(SEE DWG)	5962-8959838M	STATIC RAM, 128K X 8, STANDARD POWER, DUAL CE, 20 NS ACCESS TIME
(SEE DWG)	5962-9085801M	STATIC RAM, 64K X 16, LOW-POWER, 100 NS ACCESS TIME
(SEE DWG)	5962-8959836M	STATIC RAM, 128K X 8, STANDARD POWER, DUAL CE, 35 NS ACCESS TIME
(SEE DWG)	5962-8971201	STATIC RAM, 16K X 4, WITH SEPARATE I/O, 45 NS ACCESS TIME
(SEE DWG)	5962-8959818M	STATIC RAM, 128K X 8, LOW-POWER, DUAL CE, 45 NS ACCESS TIME
(SEE DWG)	5962-8959817M	STATIC RAM, 128K X 8, LOW-POWER, DUAL CE, 55 NS ACCESS TIME
(SEE DWG)	5962-8959819M	STATIC RAM, 128K X 8, LOW-POWER, DUAL CE, 35 NS ACCESS TIME
(SEE DWG)	5962-8959835M	STATIC RAM, 128K X 8, STANDARD POWER, DUAL CE, 45 NS ACCESS TIME
(SEE DWG)	5962-8959816M	STATIC RAM, 128K X 8, LOW-POWER, DUAL CE, 70 NS ACCESS TIME
(SEE DWG)	5962-8959834M	STATIC RAM, 128K X 8, STANDARD POWER, DUAL CE, 55 NS ACCESS TIME
(SEE DWG)	5962-8959833M	STATIC RAM, 128K X 8, STANDARD POWER, DUAL CE, 70 NS ACCESS TIME
(SEE DWG)	5962-8866506	STATIC RAM, 2K X 16, DUAL PORT (SLAVE), 55 NS ACCESS TIME
(SEE DWG)	5962-8971202	STATIC RAM, 16K X 4, WITH SEPARATE I/O, 35 NS ACCESS TIME
(SEE DWG)	5962-8959832M	STATIC RAM, 128K X 8, STANDARD POWER, DUAL CE, 85 NS ACCESS TIME
(SEE DWG)	5962-8971203	STATIC RAM, 16K X 4, WITH SEPARATE I/O, 25 NS ACCESS TIME
(SEE DWG)	5962-8959830M	STATIC RAM, 128K X 8, STANDARD POWER, DUAL CE, 120 NS ACCESS TIME
(SEE DWG)	5962-8971204	STATIC RAM, 16K X 4, WITH SEPARATE I/O, 20 NS ACCESS TIME
(SEE DWG)	5962-8959829M	STATIC RAM, 128K X 8, STANDARD POWER, 25 NS ACCESS TIME
(SEE DWG)	5962-8959814M	STATIC RAM, 128K X 8, LOW-POWER, DUAL CE, 100 NS ACCESS TIME
(SEE DWG)	5962-8959828M	STATIC RAM, 128K X 8, STANDARD POWER, 35 NS ACCESS TIME
(SEE DWG)	5962-8959812M	STATIC RAM, 128K X 8, LOW-POWER, 25 NS ACCESS TIME
(SEE DWG)	5962-8959822M	STATIC RAM, 128K X 8, STANDARD POWER, 120 NS ACCESS TIME
(SEE DWG)	5962-8959824M	STATIC RAM, 128K X 8, STANDARD POWER, 85 NS ACCESS TIME
(SEE DWG)	5962-8959821M	STATIC RAM, 128K X 8, LOW-POWER, DUAL CE, 20 NS ACCESS TIME
(SEE DWG)	5962-9085808M	STATIC RAM, 64K X 16, 55 NS ACCESS TIME
(SEE DWG)	5962-8959820M	STATIC RAM, 128K X 8, LOW-POWER, DUAL CE, 25 NS ACCESS TIME
(SEE DWG)	5962-9085806M	STATIC RAM, 62K X 16, 70 NS ACCESS TIME
(SEE DWG)	5962-8959837M	STATIC RAM, 128K X 8, STANDARD POWER, DUAL CE, 25 NS ACCESS TIME
(SEE DWG)	5962-9085804M	STATIC RAM, 64K X 16, 85 NS ACCES TIME
(SEE DWG)	5962-8959801M	STATIC RAM, 128K X 8, LOW-POWER, 120 NS ACCESS TIME
(SEE DWG)	5962-8959815M	STATIC RAM, 128K X 8, LOW-POWER, DUAL CE, 85 NS ACCESS TIME
(SEE DWG)	5962-8959811M	STATIC RAM, 128K X 8, LOW-POWER, 35 NS ACCESS TIME
(SEE DWG)	5962-8959802M	STATIC RAM, 128K X 8, LOW-POWER, 100 NS ACCESS TIME
(SEE DWG)	5962-8959831M	STATIC RAM, 128K X 8, STANDARD POWER, DUAL CE, 100 NS ACCESS TIME
(SEE DWG)	5962-8959803M	STATIC RAM, 128K X 8, LOW-POWER, 85 NS ACCESS TIME
(SEE DWG)	5962-8959827M	STATIC RAM, 128K X 8, STANDARD POWER, 45 NS ACCESS TIME
(SEE DWG)	5962-8959804M	STATIC RAM, 128K X 8, LOW-POWER, 70 NS ACCESS TIME
(SEE DWG)	5962-9085807M	STATIC RAM, 64K X 16, LOW-POWER, 55 NS ACCESS TIME
(SEE DWG)	5962-8959805M	STATIC RAM, 128K X 8, LOW-POWER, 120 NS ACCESS TIME

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MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
RAM 6/ (continued)		
(SEE DWG)	5962-3829412M	STATIC RAM, 8K X 8, 35 NS ACCESS TIME
(SEE DWG)	5962-8959813M	STATIC RAM, 128K X 8, LOW-POWER, DUAL CE, 120 NS ACCESS TIME
(SEE DWG)	5962-8959823M	STATIC RAM, 128K X 8, STANDARD POWER, 100 NS ACCESS TIME
(SEE DWG)	5962-9085805M	STATIC RAM, 64K X 16, LOW-POWER, 70 NS ACCESS TIME
(SEE DWG)	5962-8866505	STATIC RAM, 2K X 16, DUAL PORT (MASTER), 55 NS ACCESS TIME
(SEE DWG)	5962-8959806M	STATIC RAM, 128K X 8, LOW-POWER, 100 NS ACCESS TIME
(SEE DWG)	5962-8959807M	STATIC RAM, 128K X 8, LOW-POWER, 85 NS ACCESS TIME
(SEE DWG)	5962-8959808M	STATIC RAM, 128K X 8, LOW-POWER, 70 NS ACCESS TIME
(SEE DWG)	5962-8959809M	STATIC RAM, 128K X 8, LOW-POWER, 55 NS ACCESS TIME
(SEE DWG)	5962-8959810M	STATIC RAM, 128K X 8, LOW-POWER, 45 NS ACCESS TIME
10545	5962-8856001	STATIC RAM, 16 X 4, 15 NS ACCESS TIME
1HC34-15	61506	STATIC RAM, 1K X 4, 67 NS ACCESS TIME
1HC34-15	61503	STATIC RAM, 1K X 4, 67 NS ACCESS TIME
1HC34-20	61505	STATIC RAM, 1K X 4, 50 NS ACCESS TIME
1HC34-20	61502	STATIC RAM, 1K X 4, 50 NS ACCESS TIME
1HC34-25	61501	STATIC RAM, 1K X 4, 40 NS ACCESS TIME
1HC34-25	61504	STATIC RAM, 1K X 4, 40 NS ACCESS TIME
2004	5962-8771202	STATIC RAM, 512 X 8, NONVOLATILE, 300 NS ACCESS TIME
2004-25	5962-8771201	STATIC RAM, NON-VOLATILE, 512 X 8, 250 NS ACCESS TIME
2167-40	8200704	STATIC RAM, 16K X 1, 40 NS ACCESS TIME
2167-55	8200703	STATIC RAM, 16K X 1, 55 NS ACCESS TIME
2167-70	8200702	STATIC RAM, 16K X 1, 70 NS ACCESS TIME
2168-45	5962-8608105	STATIC RAM, 4K X 4, 45 NS ACCESS TIME
2168-55	5962-8608101	STATIC RAM, 4K X 4, 55 NS ACCESS TIME
2168-70	5962-8608102	STATIC RAM, 4K X 4, 70 NS ACCESS TIME
2169-40	5962-8608106	STATIC RAM, 4K X 4, 40 NS ACCESS TIME
2169-50	5962-8608103	STATIC RAM, 4K X 4, 50 NS ACCESS TIME
2169-70	5962-8608104	STATIC RAM, 4K X 4, 70 NS ACCESS TIME
27LS00	8602001	STATIC RAM, 256 X 1, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
27LS00A	8602002	STATIC RAM, 256 X 1, WITH THREE-STATE OUTPUTS, 45 NS ACCESS TIME
27LS01	8602003	STATIC RAM, 256 X 1, WITH OPEN-COLLECTOR OUTPUTS, 55 NS ACCESS TIME
27LS01A	8602004	STATIC RAM, 256 X 1, WITH OPEN-COLLECTOR OUTPUTS, 45 NS ACCESS TIME
27S02	8605101	STATIC RAM, 16 X 4, WITH OPEN COLLECTOR OUTPUTS, 50 NS ACCESS TIME
27S02A	8605102	STATIC RAM, 16 X 4, WITH OPEN COLLECTOR OUTPUTS, 30 NS ACCESS TIME
27LS02	8605103	STATIC RAM, 16 X 4, LOW-POWER, WITH OPEN COLLECTOR OUTPUTS, 65 NS ACCESS TIME
27S02-20	8605107	STATIC RAM, 16 X 4, WITH OPEN COLLECTOR OUTPUTS, 20 NS ACCESS TIME
27LS03	8605106	STATIC RAM, 16 X 4, LOW-POWER, WITH THREE-STATE OUTPUTS, 65 NS ACCESS TIME
27S03	8605104	STATIC RAM, 16 X 4, WITH THREE-STATE OUTPUTS, 50 NS ACCESS TIME
27S03A	8605105	STATIC RAM, 16 X 4, WITH THREE-STATE OUTPUTS, 30 NS ACCESS TIME
27S03-20	8605108	STATIC RAM, 16 X 4, WITH THREE-STATE OUTPUTS, 20 NS ACCESS TIME
27LS03-30	8605109	STATIC RAM, 16 X 4, LOW-POWER, WITH THREE-STATE OUTPUTS, 30 NS ACCESS TIME
27S07A	7801501	STATIC RAM, 16 X 4, NONINVERTING, THREE-STATE
27LS07	7801504	STATIC RAM, 16 X 4, LOW-POWER NONINVERTING, THREE-STATE
27S07	7801503	STATIC RAM, 16 X 4, NONINVERTING, THREE-STATE
27S07-20	7801505	STATIC RAM, 16 X 4, NONINVERTING, THREE-STATE
27LS07-30	7801506	STATIC RAM, 16 X 4, LOW-POWER NONINVERTING, THREE-STATE
29705A	8602501	STATIC RAM, 16 X 4, 2-PORT
MT4067-10	5962-8767604	DYNAMIC RAM, 64K X 4, 100 NS ACCESS TIME
MT4067-12	5962-8767601	DYNAMIC RAM, 64K X 4, 120 NS ACCESS TIME
MT4067-15	5962-8767602	DYNAMIC RAM, 64K X 4, 150 NS ACCESS TIME
MT4067-20	5962-8767603	DYNAMIC RAM, 64K X 4, 200 NS ACCESS TIME
4167	8200701	STATIC RAM, 16K X 1, 100 NS ACCESS TIME
SMJ4461	5962-8956001	RAM, 64K X 4, MULTIPORT VIDEO
CMM5104	24505	STATIC RAM, 4K X 1
CMM5114	24506	STATIC RAM, 1K X 4
51C67	29106	STATIC RAM, 16K X 1, 45 NS ACCESS TIME
51C98-35	61301	STATIC RAM, 16K X 4
51C98-45	61302	STATIC RAM, 16K X 4
51C98-55	61303	STATIC RAM, 16K X 4
54S189	7801502	STATIC RAM, 16 X 4, INVERTING, THREE-STATE
6116	29101	STATIC RAM, 2K X 8, 150 NS ACCESS TIME
6116	29105	STATIC RAM, 2K X 8, 200 NS ACCESS TIME
6516-1	61001	STATIC RAM, 8K X 8, SELECTABLE MODE, 35 NS ACCESS TIME
65162	29101	STATIC RAM, 2K X 8, 150 NS ACCESS TIME
6516-2	61002	STATIC RAM, 8K X 8, SELECTABLE MODE, 45 NS ACCESS TIME
6516-3	61003	STATIC RAM, 8K X 8, SELECTABLE MODE, 55 NS ACCESS TIME
65T262RH	29108	STATIC RAM, RAD-HARD, 16K X 1, WITH THREE-STATE OUTPUTS
65C262RH	29107	STATIC RAM, RAD-HARD, 16K X 1, WITH THREE-STATE OUTPUTS
65643	29206	STATIC RAM, 8K X 8, SELECTABLE MODE
7132SA-45	5962-8700201	STATIC RAM, 2K X 8, DUAL PORT (MASTER), 45 NS ACCESS TIME
7132LA-45	5962-8700205	STATIC RAM, 2K X 8, DUAL PORT (MASTER), 45 NS ACCESS TIME
7132LA-55	5962-8700208	STATIC RAM, 2K X 8, DUAL PORT (MASTER), 55 NS ACCESS TIME
7132SA-55	5962-8700204	STATIC RAM, 2K X 8, DUAL PORT (MASTER), 55 NS ACCESS TIME
7132SA-70	5962-8700203	STATIC RAM, 2K X 8, DUAL PORT (MASTER), 70 NS ACCESS TIME
7132LA-70	5962-8700207	STATIC RAM, 2K X 8, DUAL PORT (MASTER), 70 NS ACCESS TIME
7132SA-90	5962-8700202	STATIC RAM, 2K X 8, DUAL PORT (MASTER), 90 NS ACCESS TIME
7132LA-90	5962-8700206	STATIC RAM, 2K X 8, DUAL PORT (MASTER), 90 NS ACCESS TIME
7142LA-45	5962-8700213	STATIC RAM, 2K X 8, DUAL PORT (SLAVE), 45 NS ACCESS TIME
7142SA-45	5962-8700209	STATIC RAM, 2K X 8, DUAL PORT (SLAVE), 45 NS ACCESS TIME
7142LA-55	5962-8700216	STATIC RAM, 2K X 8, DUAL PORT (SLAVE), 55 NS ACCESS TIME
7142SA-55	5962-8700212	STATIC RAM, 2K X 8, DUAL PORT (SLAVE), 55 NS ACCESS TIME
7142SA-70	5962-8700211	STATIC RAM, 2K X 8, DUAL PORT (SLAVE), 70 NS ACCESS TIME
7142LA-70	5962-8700215	STATIC RAM, 2K X 8, DUAL PORT (SLAVE), 70 NS ACCESS TIME
7142SA-90	5962-8700210	STATIC RAM, 2K X 8, DUAL PORT (SLAVE), 90 NS ACCESS TIME

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
RAM 6/ (continued)		
7142LA-90	5962-8700214	STATIC RAM, 2K X 8, DUAL PORT (SLAVE), 90 NS ACCESS TIME
7187S45	29202	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 45 NS ACCESS TIME
7187L55	29203	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
7187S55	29201	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
7187L70	29204	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 70 NS ACCESS TIME
7C190	5962-8969401	STATIC RAM, 16 X 4, 25 NS ACCESS TIME
7C196	29305	STATIC RAM, 64K X 4, WITH OUTPUT ENABLE, 45 NS ACCESS TIME
7C196	29316	STATIC RAM, 64K X 4, WITH OUTPUT ENABLE, 25 NS ACCESS TIME
7C196	29306	STATIC RAM, 64K X 4, WITH OUTPUT ENABLE, 35 NS ACCESS TIME
8155	5962-8759301	STATIC RAM, 256 X 8, WITH I/O PORTS AND TIMER
8156	5962-8759302	STATIC RAM, 256 X 8, WITH I/O PORTS AND TIME
8X350	5962-8605201	STATIC RAM, 256 X 8
9150-25	5962-8759201	STATIC RAM, 1K X 4, 25 NS ACCESS TIME
9150-35	5962-8759202	STATIC RAM, 1K X 4, 35 NS ACCESS TIME
9150-45	5962-8759203	STATIC RAM, 1K X 4, 45 NS ACCESS TIME
99C641-45	29202	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 45 NS ACCESS TIME
99C641-55	29201	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
99CL641-55	29203	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
99CL641-70	29204	STATIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS, 70 NS ACCESS TIME
ROM/PROM/PAL 7/		
(SEE SPEC)	26507	PROM, ELECTR. ERASABLE, 64K X 8, 150 NS ACCESS TIME
(SEE SPEC)	26508	PROM, ELECTR. ERASABLE, 64K X 8, 150 NS ACCESS TIME
(SEE SPEC)	26501	PROM, ELECTR. ERASABLE, 64K X 8, 300 NS ACCESS TIME
(SEE SPEC)	26509	PROM, ELECTR. ERASABLE, 64K X 8, 120 NS ACCESS TIME
(SEE DWG)	8202505	PROM, UV ERASABLE, 16K X 8, 250 NS ACCESS TIME
(SEE SPEC)	26510	PROM, ELECTR. ERASABLE, 64K X 8, 120 NS ACCESS TIME
(SEE DWG)	8202503	PROM, UV ERASABLE, 16K X 8, 200 NS ACCESS TIME
(SEE SPEC)	26502	PROM, ELECTR. ERASABLE, 64K X 8, 300 NS ACCESS TIME
(SEE SPEC)	26503	PROM, ELECTR. ERASABLE, 64K X 8, 250 NS ACCESS TIME
(SEE SPEC)	26504	PROM, ELECTR. ERASABLE, 64K X 8, 250 NS ACCESS TIME
(SEE SPEC)	26505	PROM, ELECTR. ERASABLE, 64K X 8, 200 NS ACCESS TIME
(SEE DWG)	8200901	PROM, 8K X 8, TS, 100 NS ACCESS TIME
(SEE SPEC)	26506	PROM, ELECTR. ERASABLE, 64K X 8, 200 NS ACCESS TIME
(SEE DWG)	8202504	PROM, UV ERASABLE, 16K X 8, 300 NS ACCESS TIME
(SEE DWG)	8001204	PROM, UV ERASABLE, 4K X 8, 450 NS ACCESS TIME
(SEE DWG)	8202506	PROM, UV ERASABLE, 16K X 8, TS, 150 NS ACCESS TIME
(SEE DWG)	8001201	PROM, UV ERASABLE, 4K X 8, 450 NS ACCESS TIME
(SEE DWG)	8001203	PROM, UV ERASABLE, 4K X 8, 250 NS ACCESS TIME
(SEE DWG)	8202507	PROM, UV ERASABLE, 16K X 8, 100 NS ACCESS TIME
(SEE DWG)	5962-8606303	PROM, UV ERASABLE, 32K X 8, 300 NS ACCESS TIME
(SEE DWG)	5962-8606302	PROM, UV ERASABLE, 32K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8606301	PROM, UV ERASABLE, 32K X 8, 200 NS ACCESS TIME
(SEE DWG)	8200903	PROM, 8K X 8, TS, 45 NS ACCESS TIME
(SEE DWG)	8001210	PROM, UV ERASABLE, 4K X 8, 300 NS ACCESS TIME
(SEE DWG)	5962-8774401	PROM, UV ERASABLE, 64K X 16, 200 NS ACCESS TIME
(SEE DWG)	7802207	PROM, UV ERASABLE, 2K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8765002	PROM, UV ERASABLE, 2K X 8, 55 NS ACCESS TIME
(SEE DWG)	7802205	PROM, UV ERASABLE, 2K X 8, 150 NS ACCESS TIME
(SEE DWG)	8001211	PROM, UV ERASABLE, 4K X 8, 450 NS ACCESS TIME
(SEE DWG)	5962-8764902	PROM, ELECTR. ERASABLE, 32K X 8, 300 NS ACCESS TIME
(SEE DWG)	5962-8774402	PROM, UV ERASABLE, 64K X 16, 250 NS ACCESS TIME
(SEE DWG)	8001208	PROM, UV ERASABLE, 4K X 8, 200 NS ACCESS TIME
(SEE DWG)	8202509	PROM, UV ERASABLE, 16K X 8, 300 NS ACCESS TIME
(SEE DWG)	7802201	PROM, UV ERASABLE, 2K X 8, 450 NS ACCESS TIME
(SEE DWG)	7802209	PROM, UV ERASABLE, 2K X 8, 450 NS ACCESS TIME
(SEE DWG)	7802206	PROM, UV ERASABLE, 2K X 8, 200 NS ACCESS TIME
(SEE DWG)	5962-8764901	PROM, ELECTR. ERASABLE, 32K X 8, 350 NS ACCESS TIME
(SEE DWG)	5962-8683006	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
(SEE DWG)	7802208	PROM, UV ERASABLE, 2K X 8, 300 NS ACCESS TIME
(SEE DWG)	5962-8683007	PROM, ELECTR. ERASABLE, 8K X 8, 350 NS ACCESS TIME
(SEE DWG)	8001209	PROM, UV ERASABLE, 4K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8606306	PROM, UV ERASABLE, 32K X 8, 120 NS ACCESS TIME
(SEE DWG)	5962-8753001	PROG. ARRAY LOGIC, 20-INPUT 10-OUTPUT AND-OR, WITH PRODUCT TERM SHARING
(SEE DWG)	5962-8765001	PROM, UV ERASABLE, 2K X 8, 50 NS ACCESS TIME
(SEE DWG)	5962-8852506	PROM, ELECTR. ERASABLE, 32K X 8, 150 NS ACCESS TIME
(SEE DWG)	5962-8852507	PROM, ELECTR. ERASABLE, 32K X 8, 150 NS ACCESS TIME
(SEE DWG)	5962-8764903	PROM, ELECTR. ERASABLE, 32K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8851803	PROM, 512 X 8, REGISTERED, 40 NS ACCESS TIME
(SEE DWG)	5962-8753002	PROG. ARRAY LOGIC, 20-INPUT 10-OUTPUT REGISTERED AND-OR, W/ PRODUCT TERM SHARING
(SEE DWG)	5962-8753003	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT REGISTERED AND-OR, W/PRODUCT TERM SHARING
(SEE DWG)	5962-8753004	PROG. ARRAY LOGIC, 20-INPUT 4-OUTPUT REGISTERED AND-OR, W/PRODUCT TERM SHARING
(SEE DWG)	5962-8606305	PROM, UV ERASABLE, 32K X 8, 150 NS ACCESS TIME
(SEE DWG)	5962-8606304	PROM, UV ERASABLE, 32K X 8, 170 NS ACCESS TIME

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

ROM/PROM/PAL 7/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
(SEE DWG)	7902402	PROM, 1K X 8, POWER SWITCHED, 75 NS ACCESS TIME
(SEE DWG)	5962-8852505	PROM, ELECTR. ERASABLE, 32K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8606307	PROM, UV ERASABLE, 32K X 8, 90 NS ACCESS TIME
(SEE DWG)	7801602	PROM, 512 X 8, THREE-STATE, 45 NS ACCESS TIME
(SEE DWG)	5962-8766106	PROM, UV ERASABLE, 16K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8766105	PROM, UV ERASABLE, 16K X 8, 200 NS ACCESS TIME
(SEE DWG)	5962-8686401	LOGIC DEVICE, ERASABLE PROGRAMMABLE, 600-GATE
(SEE DWG)	5962-8751502	PROM, UV ERASABLE, 8K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-8751503	PROM, UV ERASABLE, 8K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8766104	PROM, UV ERASABLE, 16K X 8, 170 NS ACCESS TIME
(SEE DWG)	5962-8751504	PROM, UV ERASABLE, 8K X 8, 90 NS ACCESS TIME
(SEE DWG)	5962-8751506	PROM, UV ERASABLE, 8K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-8765101	PROM, 1K X 8, WITH THREE-STATE OUTPUTS, 45 NS ACCESS TIME
(SEE DWG)	5962-8751505	PROM, UV ERASABLE, 8K X 8, 45 NS ACCESS TIME
(SEE DWG)	5962-8766102	PROM, UV ERASABLE, 16K X 8, 120 NS ACCESS TIME
(SEE DWG)	5962-8766101	PROM, UV ERASABLE, 16K X 8, 90 NS ACCESS TIME
(SEE DWG)	5962-8766103	PROM, UV ERASABLE, 16K X 8, 150 NS ACCESS TIME
(SEE DWG)	5962-8851801	PROM, 512 X 8 REGISTERED, 30 NS ACCESS TIME
(SEE DWG)	5962-8851802	PROM, 512 X 8, REGISTERED, 35 NS ACCESS TIME
(SEE DWG)	5962-8751501	PROM, UV ERASABLE, 8K X 8, 45 NS ACCESS TIME
(SEE DWG)	5962-8766107	PROM, UV ERASABLE, 16K X 8, 300 NS ACCESS TIME
(SEE DWG)	5962-8751422	PROM, ELECTR. ERASABLE, 8K X 8, 150 NS ACCESS TIME
(SEE DWG)	5962-8751421	PROM, ELECTR. ERASABLE, 8K X 8, 200 NS ACCESS TIME
(SEE DWG)	5962-8751420	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8751419	PROM, ELECTR. ERASABLE, 8K X 8, 300 NS ACCESS TIME
(SEE DWG)	5962-8751418	PROM, ELECTR. ERASABLE, 8K X 8, 350 NS ACCESS TIME
(SEE DWG)	5962-8751417	PROM, ELECTR. ERASABLE, 8K X 8, 150 NS ACCESS TIME
(SEE DWG)	5962-8751416	PROM, ELECTR. ERASABLE, 8K X 8, 200 NS ACCESS TIME
(SEE DWG)	5962-8751415	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8751414	PROM, ELECTR. ERASABLE, 8K X 8, 300 NS ACCESS TIME
(SEE DWG)	5962-8751413	PROM, ELECTR. ERASABLE, 8K X 8, 350 NS ACCESS TIME
(SEE DWG)	5962-8751412	PROM, ELECTR. ERASABLE, 8K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8751411	PROM, ELECTR. ERASABLE, 8K X 8, 90 NS ACCESS TIME
(SEE DWG)	5962-8751410	PROM, ELECTR. ERASABLE, 8K X 8, 120 NS ACCESS TIME
(SEE DWG)	5962-8751405	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8851504	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT 4-REGISTER AND-OR-INVERT
(SEE DWG)	5962-8765004	PROM, UV ERASABLE, 2K X 8, 45 NS ACCESS TIME
(SEE DWG)	5962-8752902	PROM, REGISTERED UV ERASABLE, 2K X 8, 35 NS SETUP TIME
(SEE DWG)	5962-8751407	PROM, ELECTR. ERASABLE, 8K X 8, 300 NS ACCESS TIME
(SEE DWG)	5962-8751406	PROM, ELECTR. ERASABLE, 8K X 8, 350 NS ACCESS TIME
(SEE DWG)	5962-8751408	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8752901	PROM, REGISTERED UV ERASABLE, 2K X 8, 45 NS SETUP TIME
(SEE DWG)	5962-8751427	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8873501	PROM, UV ERASABLE, 2K X 8 REGISTERED, 45 NS ACCESS TIME
(SEE DWG)	5962-8873502	PROM, UV ERASABLE, 2K X 8 REGISTERED, 35 NS ACCESS TIME
(SEE DWG)	5962-8873503	PROM, UV ERASABLE, 2K X 8, REGISTERED, 35 NS ACCESS TIME
(SEE DWG)	5962-8873504	PROM, UV ERASABLE, 2K X 8, REGISTERED, 25 NS ACCESS TIME
(SEE DWG)	5962-8751409	PROM, ELECTR. ERASABLE, 8K X 8, 200 NS ACCESS TIME
(SEE DWG)	5962-8851501	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT COMBINATORIAL AND-OR-INVERT
(SEE DWG)	5962-8765003	PROM, UV ERASABLE, 2K X 8, 35 NS ACCESS TIME
(SEE DWG)	5962-8851503	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT 6-REGISTER AND-OR-INVERT
(SEE DWG)	5962-8851502	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT 8-REGISTER AND-OR-INVERT
(SEE DWG)	5962-8751426	PROM, ELECTR. ERASABLE, 8K X 8, 200 NS ACCESS TIME
(SEE DWG)	5962-8751424	PROM, ELECTR. ERASABLE, 8K X 8, 300 NS ACCESS TIME
(SEE DWG)	8200804	PROM, 4K X 8, TS, 70 NS ACCESS TIME
(SEE DWG)	5962-8954601	PROGRAMMABLE SYNCHRONOUS STATE MACHINE, 28 MHZ
(SEE DWG)	5962-8954002	PROM, 2K X 8, 105 NS ACCESS TIME
(SEE DWG)	5962-8953801	PROM, UV ERASABLE, 16K X 8, 65 NS ACCESS TIME
(SEE DWG)	5962-8954001	PROM, 2K X 8, 140 NS ACCESS TIME
(SEE DWG)	5962-8854901	LOGIC DEVICE, ERASABLE PROGRAMMABLE, 1800-GATE, 90 NS ACCESS TIME
(SEE DWG)	5962-8680501	PROM, UV ERASABLE, 64K X 16, 300 NS ACCESS TIME
(SEE DWG)	5962-8863501	PROG. ARRAY LOGIC, UV ERASABLE, 300 GATE
(SEE DWG)	5962-8854902	PROG. LOGIC DEVICE, UV ERASABLE, 75 NS ACCESS TIME
(SEE DWG)	5962-8953802	PROM, UV ERASABLE, 16K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-8873401	PROM, 2K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-8953701	PROM, UV ERASABLE, 16K X 8, 65 NS ACCESS TIME
(SEE DWG)	5962-8867602	PROM, ELECTR. ERASABLE, 2K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8953702	PROM, UV ERASABLE, 16K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-8863401	PROM, ELECTR. ERASABLE, 32K X 8, 120 NS ACCESS TIME
(SEE DWG)	5962-8869001	PROM, 512 X 8, 220 NS ACCESS TIME
(SEE DWG)	5962-8863403	PROM, ELECTR. ERASABLE, 32K X 8, 90 NS ACCESS TIME
(SEE DWG)	5962-8869002	PROM, 512 X 8, 140 NS ACCESS TIME
(SEE DWG)	5962-8680502	PROM, UV ERASABLE, 64K X 16, 250 NS ACCESS TIME
(SEE DWG)	5962-8606308	PROM, UV ERASABLE, 32K X 8, 70 NS ACCESS TIME

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MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

ROM/PROM/PAL 7/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
(SEE DWG)	5962-8954603	PROGRAMMABLE SYNCHRONOUS STATE MACHINE, 50 MHZ
(SEE DWG)	5962-8873402	PROM, 2K X 8, 45 NS ACCESS TIME
(SEE DWG)	5962-8867603	PROM, ELECTR. ERASABLE, 2K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-8863404	PROM, ELECTR. ERASABLE, 32K X 8, 90 NS ACCESS TIME
(SEE DWG)	5962-8954602	PROGRAMMABLE SYNCHRONOUS STATE MACHING, 40 MHZ
(SEE DWG)	5962-8867601	PROM, ELECTR. ERASABLE, 2K X 8, 90 NS ACCESS TIME
(SEE DWG)	5962-8863402	PROM, ELECTR. ERASABLE, 32K X 8, 120 NS ACCESS TIME
(SEE DWG)	5962-8873403	PROM, 2K X 8, 35 NS ACCESS TIME
(SEE DWG)	5962-8680503	PROM, UV ERASABLE, 64K X 16, 200 NS ACCESS TIME
(SEE DWG)	5962-8854801	PROGRAMMABLE LOGIC DEVICE, ERASABLE, 900-GATE
(SEE DWG)	5962-8680504	PROM, UV ERASABLE, 64K X 16, 170 NS ACCESS TIME
(SEE DWG)	5962-8873404	PROM, 2K X 8, 25 NS ACCESS TIME
(SEE DWG)	5962-8959001	PROM, ELECTR. ERASABLE, 512 X 8
(SEE DWG)	8200803	PROM, 4K X 8, TS, 40 NS ACCESS TIME
(SEE DWG)	5962-8966701	PROM, ELECTR. ERASABLE, 2K X 8
(SEE DWG)	5962-8766108	PROM, UV ERASABLE, 16K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8961406M	PROM, UV ERASABLE, 128K X 8, 120 NS ACCESS TIME
(SEE DWG)	5962-8961405M	PROM, UV ERASABLE, 128K X 8, 150 NS ACCESS TIME
(SEE DWG)	5962-8961404M	PROM, UV ERASABLE, 128K X 8, 170 NS ACCESS TIME
(SEE DWG)	5962-9075401M	PROGRAMMABLE LOGIC DEVICE, UV ERASABLE, ASYNCHRONOUS REGISTERED, 40 NS ACCESS
(SEE DWG)	5962-8961403M	PROM, UV ERASABLE, 128K X 8, 200 NS ACCESS TIME
(SEE DWG)	5962-8961402M	PROM, UV ERASABLE, 128K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-9075402M	PROGRAMMABLE LOGIC DEVICE, UV ERASABLE, ASYNCHRONOUS REGISTERED, 30 NS ACCESS
(SEE DWG)	5962-9075403M	PROGRAMMABLE LOGIC DEVICE, UV ERASABLE, ASYNCHRONOUS REGISTERED, 25 NS ACCESS
(SEE DWG)	5962-8961401M	PROM, UV ERASABLE, 128K X 8, 300 NS ACCESS TIME
(SEE DWG)	5962-8981702	PROM, UV ERASABLE, 32K X 8, 45 NS ACCESS TIME
(SEE DWG)	5962-8961407M	PROM, UV ERASABLE, 128K X 8, 90 NS ACCESS TIME
(SEE DWG)	5962-8961408M	PROM, UV ERASABLE, 128K X 8, 70 NS ACCESS TIME
(SEE DWG)	5962-8961409M	PROM, UV ERASABLE, 128K X 8, 55 NS ACCESS TIME
(SEE DWG)	8001207	PROM, UV ERASABLE, 4K X 8, 150 NS ACCESS TIME
(SEE DWG)	5962-8981701	PROM, UV ERASABLE, 32K X 8, 55 NS ACCESS TIME
(SEE DWG)	5962-8680506	PROM, UV ERASABLE, 64K X 16, 120 NS ACCESS TIME
(SEE DWG)	5962-8680508	PROM, UV ERASABLE, 64K X 16, 70 NS ACCESS TIME
(SEE DWG)	5962-8680507	PROM, UV ERASABLE, 64K X 16, 90 NS ACCESS TIME
(SEE DWG)	5962-8680505	PROM, UV ERASABLE, 64K X 16, 150 NS ACCESS TIME
PAL10H8	8103501	PROG. ARRAY LOGIC, 10-INPUT 8-OUTPUT AND-OR
PAL10L8	8103506	PROG. ARRAY LOGIC, 10-INPUT 8-OUTPUT AND-OR-INVERT
PAL10H8A	8103510	PROG. ARRAY LOGIC, 16-INPUT 2-OUTPUT AND-OR
PAL10L8A	8103514	PROG. ARRAY LOGIC, 10-INPUT 8-OUTPUT AND-OR-INVERT
PAL12L10	5962-8680402	PROG. ARRAY LOGIC, 12-INPUT 10-OUTPUT AND-OR-INVERT
PAL12H6	8103502	PROG. ARRAY LOGIC, 12-INPUT 6-OUTPUT AND-OR
PAL12L6	8103507	PROG. ARRAY LOGIC, 12-INPUT 6-OUTPUT AND-OR-INVERT
PAL12L6A	8103515	PROG. ARRAY LOGIC, 12-INPUT 6-OUTPUT AND-OR-INVERT
PAL12H6A	8103511	PROG. ARRAY LOGIC, 12-INPUT 6-OUTPUT AND-OR
PAL14L4	8103508	PROG. ARRAY LOGIC, 14-INPUT 4-OUTPUT AND-OR-INVERT
PAL14H4	8103503	PROG. ARRAY LOGIC, 14-INPUT 4-OUTPUT AND-OR
PAL14L4A	8103516	PROG. ARRAY LOGIC, 14-INPUT 4-OUTPUT AND-OR-INVERT
PAL14H4A	8103512	PROG. ARRAY LOGIC, 14-INPUT 4-OUTPUT AND-OR
PAL14L8	5962-8680403	PROG. ARRAY LOGIC, 14-INPUT 8-OUTPUT AND-OR-INVERT
PAL16C1	8103505	PROG. ARRAY LOGIC, 16-INPUT 2-OUTPUT AND-OR/AND-OR-INVERT
PLS161	5962-8850401	PROG. ARRAY LOGIC, 12 X 48 X 8
PAL16H2	8103504	PROG. ARRAY LOGIC, 16-INPUT 2-OUTPUT AND-OR
PAL16L2	8103509	PROG. ARRAY LOGIC, AND-OR-INVERT
PAL16L2A	8103517	PROG. ARRAY LOGIC, 16-INPUT 2 OUTPUT AND-OR-INVERT
PAL16H2A	8103513	PROG. ARRAY LOGIC, 16-INPUT 2-OUTPUT AND-OR
PAL16R4-10	5962-8515520	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
PAL16R4-12	5962-8515516	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
PAL16R4-15	50612	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
PAL16R4-15	5962-8515512	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
C16R4-20	5962-8871312	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
C16R4-20	5962-8867812	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 4-OUTPUT REGISTERED AND-OR
C16R4-30	5962-8867808	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 4-OUTPUT REGISTERED AND-OR
C16R4-30	5962-8871308	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
PAL16R4A-4	8506504	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
C16R4-40	5962-8867804	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 4-OUTPUT REGISTERED AND-OR
C16R4-40	5962-8871304	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
PAL16R6	8103603	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR

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MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

ROM/PROM/PAL 7/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
PAL16L6	5962-8680404	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT AND-OR-INVERT
PAL16R6-10	5962-8515519	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR
PAL16R6-12	5962-8515515	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR
PAL16R6-15	50611	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR
PAL16R6-15	5962-8515511	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR
C16R6-20	5962-8871311	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR
C16R6-20	5962-8867811	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 6-OUTPUT REGISTERED AND-OR
C16R6-30	5962-8867807	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 6-OUTPUT REGISTERED AND-OR
C16R6-30	5962-8871307	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR
PAL16R6A-4	8506503	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR
C16R6-40	5962-8867803	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 6-OUTPUT REGISTERED AND-OR
C16R6-40	5962-8871303	PROG. ARRAY LOGIC, 16-INPUT 6-OUTPUT REGISTERED AND-OR
PAL16R8	8103602	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
PAL16L8	8103601	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
16V8A	5962-8983903	PROG. ARRAY LOGIC, ELECTR. ERASABLE, 16-INPUT 8-OUTPUT AND-OR, 15 NS ACCESS TIME
16V8A	5962-8983901	PROG. ARRAY LOGIC, ELECTR. ERASABLE, 16-INPUT 8-OUTPUT AND-OR, 30 NS ACCESS TIME
16V8A	5962-8983902	PROG. ARRAY LOGIC, ELECTR. ERASABLE, 16-INPUT 8-OUTPUT AND-OR, 20 NS ACCESS TIME
PAL16R8-10	5962-8515518	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
PAL16L8-10	5962-8515517	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
PAL16R8-12	5962-8515514	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
PAL16L8A-12	5962-8515513	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
PAL16R8A-12	5962-8515514	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
PAL16R8-15	50610	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
PAL16L8-15	50609	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
PAL16L8-15	5962-8515509	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
PAL16R8-15	5962-8515510	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
C16L8-20	5962-8871309	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
C16R8-20	5962-8867810	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 8-OUTPUT REGISTERED AND-OR
C16R8-20	5962-8871310	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
C16L8-20	5962-8867809	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 8-OUTPUT AND-OR INVERTED
C16R8-30	5962-8867806	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 8-OUTPUT REGISTERED AND-OR
C16L8-30	5962-8867805	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 8-OUTPUT AND-OR INVERTED
C16R8-30	5962-8871306	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
C16L8-30	5962-8871305	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
PAL16L8A-4	8506501	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
PAL16R8A-4	8506502	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
C16L8-40	5962-8867801	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 8-OUTPUT AND-OR INVERTED
C16R8-40	5962-8867802	PROG. ARRAY LOGIC, UV ERASABLE, 16-INPUT 8-OUTPUT REGISTERED AND-OR
C16R8-40	5962-8871302	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT REGISTERED AND-OR
C16L8-40	5962-8871301	PROG. ARRAY LOGIC, 16-INPUT 8-OUTPUT AND-OR-INVERT
PLS173	5962-8850402	PROG. ARRAY LOGIC, 22 X 42 X 10
PLS179	5962-8850701	LOGIC SEQUENCER, FIELD PROGRAMMABLE (20 X 45 X 12)
PAL18L4	5962-8680401	PROG. ARRAY LOGIC, 18-INPUT 4-OUTPUT AND-OR
PAL18P8B	5962-8752802	PROG. ARRAY LOGIC, 18-INPUT 8-OUTPUT AND-OR
PAL18P8Q	5962-8752805	PROG. ARRAY LOGIC, 18-INPUT 8-OUTPUT AND-OR
PAL18P8A	5962-8752801	PROG. ARRAY LOGIC, 18-INPUT 8-OUTPUT AND-OR
PAL18P8L	5962-8752804	PROG. ARRAY LOGIC, 18-INPUT 8-OUTPUT AND-OR
PAL18P8AL	5962-8752803	PROG. ARRAY LOGIC, 18-INPUT 8-OUTPUT AND-OR
PAL20C1	5962-8680406	PROG. ARRAY LOGIC, 20-INPUT 2-OUTPUT AND-OR-INVERT
PAL20RA10	5962-8680301	PROG. ARRAY LOGIC, 20-INPUT 10-OUTPUT REGISTERED AND-OR
PAL20X10A	8412907	PROG. ARRAY LOGIC, 20-INPUT 10-OUTPUT REGISTERED AND-OR-XOR
PAL20L10A	8412905	PROG. ARRAY LOGIC, 20-INPUT 10-OUTPUT AND-OR-INVERT
20G10-30	5962-8863702	PROG. LOGIC DEVICE, 30 NS PROP. DELAY
20G10-40	5962-8863701	PROG. LOGIC DEVICE, 40 NS PROP. DELAY
2018	5962-8863802	PROG. ARRAY LOGIC, 10 X 10, 1800-GATE, 33 MHZ TOGGLE SPEED
2018	5962-8863803	PROG. ARRAY LOGIC, 10 X 10, 1800-GATE, 50 MHZ TOGGLE SPEED
2018	5962-8863804	PROG. ARRAY LOGIC, 10 X 10, 1800-GATE, 70 MHZ TOGGLE SPEED
PAL20L2	5962-8680405	PROG. ARRAY LOGIC, 20-INPUT 2-OUTPUT AND-OR-INVERT
PAL20R4B	5962-8767104	PROG. ARRAY LOGIC, 20-INPUT 4-OUTPUT REGISTERED AND-OR
PAL20X4A	8412908	PROG. ARRAY LOGIC, 20-INPUT 4-OUTPUT REGISTERED AND-OR-XOR
PAL20R4-15	5962-8767110	PROG. ARRAY LOGIC, 20-INPUT 4-OUTPUT REGISTERED AND-OR
PAL20R4A-2	8412912	PROG. ARRAY LOGIC, 20-INPUT 4-OUTPUT REGISTERED AND-OR
PAL20R6B	5962-8767103	PROG. ARRAY LOGIC, 20-INPUT 6-OUTPUT REGISTERED AND-OR
PAL20R6-15	5962-8767109	PROG. ARRAY LOGIC, 20-INPUT 6-OUTPUT REGISTERED AND-OR
PAL20R6A-2	8412911	PROG. ARRAY LOGIC, 20-INPUT 6-OUTPUT REGISTERED AND-OR
PAL20X8A	8412906	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT REGISTERED AND-OR-XOR

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MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
ROM/PROM/PAL 7/ (continued)		
PAL20L8B	5962-8767101	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT AND-OR-INVERT
PAL20R8B	5962-8767102	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT REGISTERED AND-OR
PLUS20R8	5962-8767106	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT REGISTERED AND-OR
PLUS20L8	5962-8767105	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT AND-OR-INVERT
20V8	5962-8984002	PROG. ARRAY LOGIC, ELECTR. ERASABLE, 20-INPUT 8-OUTPUT AND-OR, 20 NS ACCESS TIME
20V8	5962-8984001	PROG. ARRAY LOGIC, ELECTR. ERASABLE, 20-INPUT 8-OUTPUT AND-OR, 30 NS ACCESS TIME
20V8	5962-8984003	PROG. ARRAY LOGIC, ELECTR. ERASABLE, 20-INPUT 8-OUTPUT AND-OR, 15 NS ACCESS TIME
PAL20L8-15	5962-8767107	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT AND-OR-INVERT
PAL20R8-15	5962-8767108	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT REGISTERED AND-OR
PAL20R8A-2	8412910	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT REGISTERED AND-OR
PAL20L8A-2	8412909	PROG. ARRAY LOGIC, 20-INPUT 8-OUTPUT AND-OR-INVERT
C22V10	50703	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT AND-OR, 20 NS ACCESS TIME
C22V10	50702	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT AND-OR, 25 NS ACCESS TIME
C22V10	50701	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT AND-OR, 30 NS ACCESS TIME
C22V10	5962-8753903	PROG. ARRAY LOGIC, UV ERASABLE, 22-INPUT 10-OUTPUT AND-OR
C22V10	5962-8753902	PROG. ARRAY LOGIC, UV ERASABLE, 22-INPUT 10-OUTPUT AND-OR
PAL22V10A	5962-8605301	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT REGISTERED AND-OR
C22V10	5962-8753901	PROG. ARRAY LOGIC, UV ERASABLE, 22-INPUT 10-OUTPUT AND-OR
PAL22V10	5962-8605302	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT REGISTERED AND-OR
C22V10	5962-8867003	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT AND-OR, 40 NS ACCESS TIME
C22V10	5962-8867002	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT AND-OR, 30 NS ACCESS TIME
C22V10	5962-8867001	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT AND-OR, 25 NS ACCESS TIME
C22V10L	5962-8975502	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT AND-OR
C22V10	5962-8867004	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT AND-OR, 20 NS ACCESS TIME
C22V10L	5962-8975501	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT AND-OR
C22V10L	5962-8975503	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT AND-OR
C22V10	5962-8753904	PROG. ARRAY LOGIC, UV ERASABLE, 22-INPUT 10-OUTPUT AND-OR
C22V10L	5962-8872404	PROG. ARRAY LOGIC, UV ERASABLE, 22-INPUT 10-OUTPUT, AND-OR
22V10	5962-8984102	PROG. ARRAY LOGIC, ELECTR. ERASABLE, 22-INPUT 10-OUTPUT AND-OR, 20 NS ACCESS TIM
22V10	5962-8984101	PROG. ARRAY LOGIC, ELECTR. ERASABLE, 22 -INPUT 10-OUTPUT AND-OR, 30 NS ACCESS TIM
22V10	5962-8984103	PROG. ARRAY LOGIC, ELECTR. ERASABLE, 22-INPUT 10-OUTPUT AND-OR, 15 NS ACCESS TIM
22V10	5962-8984104	PROG. ARRAY LOGIC, ELECTR. ERASABLE, 22-INPUT, 10-OUTPUT AND-OR
22V10	5962-8984105	PROG. ARRAY LOGIC, ELECTR. ERASABLE, 22-INPUT, 10-OUTPUT AND-OR
PAL22V10-12	5962-8605305	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT REGISTERED AND-OR
C22V10-15	50804	PROG. LOGIC ARRAY, 22-INPUT, 10-OUTPUT, AND-OR, 15 NS DELAY TIME
C22V10-20	50803	PROG. ARRAY LOGIC, 22-INPUT, 10-OUPTUT, AND-OR, 20 NS DELAY TIME
PAL22V10-20	5962-8605304	PROG. ARRAY LOGIC, 22-INPUT 10-OUTPUT REGISTERED AND-OR
C22V10-25	50802	PROG. ARRAY LOGIC, 22-INPUT, 10-OUTPUT, AND-OR, 25 NS DELAY TIME
C22V10L-25	5962-8872401	PROG. ARRAY LOGIC, UV ERASABLE, 22-INPUT 10 OUTPUT AND-OR
PAL22VP10-25	5962-8605303	PROG. ARRAY LOGIC, 22-INPUT 10 OUTPUT REGISTERED AND-OR
C22V10-30	50801	PROG. LOGIC ARRAY, 22-INPUT, 10-OUTPUT, AND-OR, 30 NS DELAY TIME
C22V10L-30	5962-8872402	PROG. ARRAY LOGIC, UV ERASABLE, 22-INPUT 10-OUTPUT AND-OR
C22V10L-40	5962-8872403	PROG. ARRAY LOGIC, UV ERASABLE, 22-INPUT 10-OUTPUT AND-OR
V2500H	5962-9154502M	LOGIC ARRAY, 38-INPUT, 25-OUTPUT AND-OR, 25 NS ACCESS TIME
V2500H	5962-9154602M	LOGIC ARRAY, 38-INPUT, 24-OUTPUT, AND-OR, 25 NS ACCESS TIME
V2500H	5962-9154501M	LOGIC ARRAY, 38-INPUT, 25-OUTPUT AND-OR, 35 NS ACCESS TIME
V2500H	5962-9154601M	LOGIC ARRAY, 38-INPUT, 24-OUTPUT, AND-OR, 35 NS ACCESS TIME
27S13A	5962-8854101	PROM, 512 X 4, THREE-STATE, 40 NS ACCESS TIME
27S13	5962-8854102	PROM, 512 X 4, THREE-STATE, 60 NS ACCESS TIME
27S19A	5962-8670302	PROM, 32 X 8, WITH THREE-STATE OUTPUTS, 35 NS ACCESS TIME
27S19	5962-8670301	PROM, 32 X 8, WITH THREE-STATE OUTPUTS, 50 NS ACCESS TIME
27PS191A	5962-8552602	PROM, POWER-SWITCHED, 2K X 8, (THREE-STATE), 65 NS ACCESS TIME
27PS191	5962-8552601	PROM, POWER-SWITCHED, 2K X 8, (THREE-STATE), 75 NS ACCESS TIME
27256-170	22403	PROM, UV ERASABLE, 32K X 8, 170 NS ACCESS TIME
27256-170	8411104	PROM, UV ERASABLE, 32K X 8, 170 NS ACCESS TIME
27S29	5962-8769001	PROM, 512 X 8, WITH THREE-STATE OUTPUTS, 70 NS ACCESS TIME
27S29A	5962-8769002	PROM, 512 X 8, WITH THREE-STATE OUTPUTS, 45 NS ACCESS TIME
27PS291A	5962-8552604	PROM, POWER-SWITCHED, 2K X 8, (THREE-STATE), 65 NS ACCESS TIME
27PS291	5962-8552603	PROM, POWER-SWITCHED, 2K X 8, (THREE-STATE), 75 NS ACCESS TIME
27S35A	5962-8670602	PROM, REGISTERED, 1K X 8, WITH PROGRAM MABLE INITIALIZE ((ASYNCHRONOUS)
27S35	5962-8670601	PROM, REGISTERED, 1K X 8, WITH PROGRAM MABLE INITIALIZE (ASYNCHRONOUS)
27S37A	5962-8670604	PROM, REGISTERED, 1K X 8, WITH PROGRAM MABLE INITIALIZE (SYNCHRONOUS)
27S37	5962-8670603	PROM, REGISTERED, 1K X 8, WITH PROGRAM MABLE INITIALIZE (SYNCHRONOUS)
27S45A	5962-8552702	PROM, REGISTERED, 2K X 8, WITH PROGRAM MABLE INITIALIZE (ASYNCHRONOUS)
27S45	5962-8552701	PROM, REGISTERED, 2K X 8, WITH PROGRAM MABLE INITIALIZE (ASYNCHRONOUS)

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MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

ROM/PROM/PAL 7/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
27S47	5962-8552703	PROM, REGISTERED, 2K X 8, WITH PROGRAM MABLE INITIALIZE (SYNCHRONOUS)
27S47A	5962-8552704	PROM, REGISTERED, 2K X 8, WITH PROGRAM MABLE INITIALIZE (SYNCHRONOUS)
27C512	5962-8764801	PROM, UV ERASABLE, 64K X 8, 150 NS ACCESS TIME
27C512	5962-8764803	PROM, UV ERASABLE, 64K X 8, 250 NS ACCESS TIME
27C512	5962-8764802	PROM, UV ERASABLE, 64K X 8, 200 NS ACCESS TIME
27C512	5962-8764804	PROM, UV ERASABLE, 64K X 8, 120 NS ACCESS TIME
27512-20	5962-8513505	PROM, UV ERASABLE, 64K X 8, 200 NS ACCESS TIME
27512-25	5962-8513501	PROM, UV ERASABLE, 64K X 8, 250 NS ACCESS TIME
27512-30	5962-8513503	PROM, UV ERASABLE, 64K X 8, 300 NS ACCESS TIME
27512-35	5962-8513502	PROM, UV ERASABLE, 64K X 8, 350 NS ACCESS TIME
27512-45	5962-8513504	PROM, UV ERASABLE, 64K X 8, 450 NS ACCESS TIME
2764-150	8200506	PROM, UV ERASABLE, 8K X 8, 150 NS ACCESS TIME
2764A-20	8200505	PROM, UV ERASABLE, 8K X 8, 200 NS ACCESS TIME
27C64-200	27503	PROM, UV ERASABLE, 8K X 8, 200 NS ACCESS TIME
2764-200	8200507	PROM, UV ERASABLE, 8K X 8, 200 NS ACCESS TIME
2764A-25	8200504	PROM, UV ERASABLE, 8K X 8, 250 NS ACCESS TIME
27C64-250	27502	PROM, UV ERASABLE, 8K X 8, 250 NS ACCESS TIME
2764-250	8200502	PROM, UV ERASABLE, 8K X 8, 250 NS ACCESS TIME
2764A-35	8200503	PROM, UV ERASABLE, 8K X 8, 350 NS ACCESS TIME
27C64-350	27501	PROM, UV ERASABLE, 8K X 8, 350 NS ACCESS TIME
2764-450	8200501	PROM, UV ERASABLE, 8K X 8, 450 NS ACCESS TIME
27C64-90	8510204	PROM, UV ERASABLE, 8K X 8, 90 NS ACCESS TIME
28C010	5962-3826704M	PROM, ELECTR. ERASABLE, 128K X 8, 200 NS ACCESS TIME
28C010	5962-3826705M	PROM, ELECTR. ERASABLE, 128K X 8, 150 NS ACCESS TIME
28C010	5962-3826706M	PROM, ELECTR. ERASABLE, 128K X 8, 150 NS ACCESS TIME
28C010	5962-3826703M	PROM, ELECTR. ERASABLE, 128K X 8, 200 NS ACCESS TIME
28C010	5962-3826702M	PROM, ELECTR. ERASABLE, 128K X 8, 250 NS ACCESS TIME
28C010	5962-3826701M	PROM, ELECTR. ERASABLE, 128K X 8, 250 NS ACCESS TIME
28C010	5962-3826707M	PROM, ELECTR. ERASABLE, 128K X 8, 120 NS ACCESS TIME
28C256-150	26111	PROM, ELECTR. ERASABLE, 32K X 8, 150 NS ACCESS TIME
28C256-150	26105	PROM, ELECTR. ERASABLE, 32K X 8, 150 NS ACCESS TIME
28C256-250	26112	PROM, ELECTR. ERASABLE, 32K X 8, 250 NS ACCESS TIME
28C256-250	26106	PROM, ELECTR. ERASABLE, 32K X 8, 250 NS ACCESS TIME
29671	21103	PROM, 4K X 8, TS, 70 NS ACCESS TIME
54S572	20601	PROM, 1K X 4, WITH OPEN-COLLECTOR OUTPUTS
55C64-250	26005	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
57C64-70	8510207	PROM, UV ERASABLE, 8K X 8, 70 NS ACCESS TIME
7C235-30	5962-8863602	PROM, REGISTERED, 1K X 8, 30 NS ACCESS TIME
7C235-40	5962-8863601	PROM, REGISTERED, 1K X 8, 40 NS ACCESS TIME
CY7C331-25	5962-8985503M	PROGRAMMABLE LOGIC DEVICE, ONE-TIME PROGRAMMABLE, ASYNCHRONOUS REGISTERED, 25 NS
CY7C331-30	5962-8985502M	PROGRAMMABLE LOGIC DEVICE, ONE-TIME PROGRAMMABLE, ASYNCHRONOUS REGISTERED, 30 NS
CY7C331-40	5962-8985501M	PROGRAMMABLE LOGIC DEVICE, ONE-TIME PROGRAMMABLE, ASYNCHRONOUS REGISTERED, 40 NS
V750-35	5962-8872602	PROG. ARRAY LOGIC, UV ERASABLE, 22-INPUT 10-OUTPUT AND-OR
V750-40	5962-8872601	PROG. ARRAY LOGIC, UV ERASABLE, 22-INPUT 10-OUTPUT AND-OR
82S105	5962-8670901	LOGIC SEQUENCER, FIELD PROGRAMMABLE, 16 X 48 X 8
82S105	5962-8670902	LOGIC SEQUENCER, FIELD PROGRAMMABLE, 16 X 48 X 8
82S129A	5962-8778802	PROM, 256 X 4, WITH THREE-STATE OUTPUTS, 40 NS ACCESS TIME
82S153A	5962-8768201	LOGIC ARRAY, 18 X 42 X 10 FIELD-PROGRAM MABLE

Microprocessors and interface peripherals/FIFO 8/

(SEE SPEC)	62001	SIGNAL PROCESSING ELEMENT
(SEE SPEC)	62002	SIGNAL PROCESSING ELEMENT
(SEE DWG)	5962-8953605	FIFO MEMORY, 1K X 9 PARALLEL, 30 NS ACCESS TIME
(SEE DWG)	5962-8953604	FIFO MEMORY, 1K X 9 PARALLEL, 40 NS ACCESS TIME
(SEE DWG)	5962-8869202	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/ RTU/MT
(SEE DWG)	5962-8953603	FIFO MEMORY, 1K X 9 PARALLEL, 65 NS ACCESS TIME
(SEE DWG)	5962-8952301	FIFO MEMORY, 64 X 4, 10 MHZ
(SEE DWG)	5962-8869201	MULTIPLEXED TERMINAL, MIL-STD-1553, BC/ RTU/MT
(SEE DWG)	5962-8952303	FIFO MEMORY, 64 X 4, 25 MHZ
(SEE DWG)	5962-8952302	FIFO MEMORY, 64 X 4, 15 MHZ
(SEE DWG)	5962-8953602	FIFO MEMORY, 1K X 9 PARALLEL, 80 NS ACCESS TIME
(SEE DWG)	5962-8952304	FIFO MEMORY, 64 X 4, 35 MHZ
(SEE DWG)	5962-8966401	FIFO MEMORY, 64 X 8, 15 MHZ
(SEE DWG)	5962-8966402	FIFO MEMORY, 64 X 8, 25 MHZ
(SEE DWG)	5962-8966101	FIFO MEMORY, 64 X 9, 15 MHZ

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MILITARY

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
Microprocessors and interface peripherals/FIFO 8/ (continued)		
(SEE DWG)	5962-8966102	FIFO MEMORY, 64 X 9, 25 MHZ
(SEE DWG)	5962-8953601	FIFO MEMORY, 1K X 9 PARALLEL, 120 NS ACCESS TIME
(SEE DWG)	5962-8994204	FIFO MEMORY, 2K X 9
(SEE DWG)	5962-8994203	FIFO MEMORY, 2K X 9
(SEE DWG)	5962-8994202	FIFO MEMORY, 2K X 9
(SEE DWG)	5962-8994201	FIFO MEMORY, 2K X 9
(SEE DWG)	5962-8956805	FIFO MEMORY, 4K X 9 PARALLEL, 40 NS ACCESS TIME
(SEE DWG)	5962-8956804	FIFO MEMORY, 4K X 9 PARALLEL, 50 NS ACCESS TIME
(SEE DWG)	5962-8956803	FIFO MEMORY, 4K X 9 PARALLEL, 65 NS ACCESS TIME
(SEE DWG)	5962-8956801	FIFO MEMORY, 4K X 9 PARALLEL, 120 NS ACCESS TIME
(SEE DWG)	5962-8956704	FIFO MEMORY, 2K X 9 PARALLEL, 50 NS ACCESS TIME
(SEE DWG)	5962-8956703	FIFO MEMORY, 2K X 9 PARALLEL, 65 NS ACCESS TIME
(SEE DWG)	5962-8994302	FIFO MEMORY, 4K X 9 PARALLEL SERIAL, 80 NS ACCESS TIME
(SEE DWG)	5962-8956702	FIFO MEMORY, 2K X 9 PARALLEL, 80 NS ACCESS TIME
(SEE DWG)	5962-8994304	FIFO MEMORY, 4K X 9 PARALLEL SERIAL, 50 NS ACCESS TIME
(SEE DWG)	5962-8986304	FIFO MEMORY, 512 X 9, 40 NS ACCESS TIME
(SEE DWG)	5962-8966606	FIFO MEMORY, 256 X 9 PARALLEL, 30 NS ACCESS TIME
(SEE DWG)	5962-8966602	FIFO MEMORY, 256 X 9 PARALLEL, 80 NS ACCESS TIME
(SEE DWG)	5962-8966601	FIFO MEMORY, 256 X 9 PARALLEL, 120 NS ACCESS TIME
(SEE DWG)	5962-8956802	FIFO MEMORY, 4K X 9 PARALLEL, 80 NS ACCESS TIME
(SEE DWG)	5962-8986303	FIFO MEMORY, 512 X 9, 50 NS ACCESS TIME
(SEE DWG)	5962-8986306	FIFO MEMORY, 512 X 9, 25 NS ACCESS TIME
(SEE DWG)	5962-8956701	FIFO MEMORY, 2K X 9 PARALLEL, 120 NS ACCESS TIME
(SEE DWG)	5962-8994301	FIFO MEMORY, 4K X 9 PARALLEL SERIAL, 120 NS ACCESS TIME
(SEE DWG)	5962-8966603	FIFO MEMORY, 256 X 9 PARALLEL, 65 NS ACCESS TIME
(SEE DWG)	5962-8956705	FIFO MEMORY, 2K X 9 PARALLEL, 40 NS ACCESS TIME
(SEE DWG)	5962-8986305	FIFO MEMORY, 512 X 9, 30 NS ACCESS TIME
(SEE DWG)	5962-8994303	FIFO MEMORY, 4K X 9 PARALLEL SERIAL, 65 NS ACCESS TIME
(SEE DWG)	5962-8986302	FIFO MEMORY, 512 X 9, 65 NS ACCESS TIME
(SEE DWG)	5962-8986301	FIFO MEMORY, 512 X 9, 80 NS ACCESS TIME
(SEE DWG)	5962-8966605	FIFO MEMORY, 256 X 9 PARALLEL, 40 NS ACCESS TIME
(SEE DWG)	5962-8966604	FIFO MEMORY, 256 X 9 PARALLEL, 50 NS ACCESS TIME
Z0853004	5962-8752702	COMMUNICATIONS CONTROLLER, SERIAL, 4.0 MHZ
Z0853006	5962-8752701	COMMUNICATIONS CONTROLLER, SERIAL, 6.0 MHZ
Z0858106	5962-8752602	CLOCK GENERATOR AND CONTROLLER, 6.0 MHZ
Z0858110	5962-8752601	CLOCK GENERATOR AND CONTROLLER, 10 MHZ
LTC1090	5962-8983001	DATA ACQUISITION SYSTEM, 10-BIT
UT1553BB	5962-8862801	BUS CONTROLLER, REMOTE TERMINAL
1553RTMP	5962-8864501	REMOTE TERMINAL MULTI-PROTOCOL
UT1553BBCRTM	5962-8957701	BUS CONTROLLER, REMOTE TERMINAL AND MONITOR
BX1750A	5962-8951901	MICROPROCESSOR, 16-BIT, WITH MIL-STD-1750A INSTRUCTION SET ARCHITECTURE
BX1750A	5962-8951991	MICROPROCESSOR, 16-BIT, WITH MIL-STD-1750 INSTRUCTION SET ARCHITECTURE
1750A-15	5962-8766501	MICROPROCESSOR, 16-BIT, 15 MHZ
1750A-20	5962-8766502	MICROPROCESSOR, 16-BIT, 20 MHZ
1750A-30	5962-8766503	MICROPROCESSOR, 16-BIT, 30 MHZ
2100SG	5962-8773501	MICROPROCESSOR, SIGNAL PROCESSING, 6 MHZ
2100TG	5962-8773502	MICROPROCESSOR, SIGNAL PROCESSING, 8 MHZ
2100ASG	5962-8773503	MICROPROCESSOR, SIGNAL PROCESSING, 8 MHZ
2100ATG	5962-8773504	MICROPROCESSOR, SIGNAL PROCESSING, 10 MHZ
2901C	8405701	MICROPROCESSOR SLICE, 4-BIT
2903A	5962-8867701	MICROPROCESSOR, 4-BIT
2904	8601701	CONTROL UNIT, STATUS AND SHIFT, 4-BIT
2909A	8602701	MICROPROGRAM SEQUENCER, 4-BIT
2910	7801701	CONTROLLER, MICROPROGRAM
2910A	7801702	CONTROLLER, MICROPROGRAM
29C10A	5962-8770801	CONTROLLER, MICROPROGRAM (9 DEEP STACK)
2911A	8602801	MICROPROGRAM SEQUENCER, 4-BIT
29116	5962-8686301	MICROPROCESSOR, 16-BIT
29C116	5962-8861201	MICROPROCESSOR, 16-BIT
29C116-1	5962-8861202	MICROPROCESSOR, 16-BIT
29C116-2	5962-8861203	MICROPROCESSOR, 16-BIT
2914	8602901	INTERRUPT CONTROLLER, VECTORED PRIORITY
2925A	5962-8859802	CLOCK GENERATOR, 50 MHZ
2925	5962-8859801	CLOCK GENERATOR, 31 MHZ
2930	5962-8757301	PROGRAM CONTROL UNIT, 4-BIT
2940	8603001	DMA ADDRESS GENERATOR
2942	5962-8680101	PROGRAMMABLE TIMER/COUNTER DMA ADDRESS GENERATOR
2960	5962-8760201	ERROR DETECTION/CORRECTION UNIT, 16-BIT
29C60A	5962-8861303	ERROR DETECTION/CORRECTION CKT, 16-BIT, 24 NS DETECT TIME, 35 NS CORRECT TIME
2964B	5962-8757401	DYNAMIC MEMORY CONTROLLER
29C660A	5962-8853303	ERROR DETECTION AND CORRECTION UNIT, 32-BIT, 33 NS DETECT TIME
29C660B	5962-8853304	ERROR DETECTION AND CORRECTION UNIT, 32-BIT, 28 NS DETECT TIME
29C660C	5962-8853305	ERROR DETECTION AND CORRECTION UNIT, 32-BIT, 21 NS DETECT TIME
2968A	5962-8869601	DYNAMIC MEMORY CONTROLLER
2968A	5962-8869602	DYNAMIC MEMORY CONTROLLER, WITH OUTPUT ENABLE
29C841	5962-8760301	LATCH, BUS INTERFACE, 10-WIDE
29C843	5962-8760302	LATCH, BUS INTERFACE, 9-WIDE
29C941	5962-8760303	LATCH, BUS INTERFACE, 10-WIDE
29C943	5962-8760304	LATCH, BUS INTERFACE, 9-WIDE
32010	8405301	SIGNAL PROCESSOR, DIGITAL
320C10	5962-8763301	SIGNAL PROCESSOR, DIGITAL, 20 MHZ
320CM10	5962-8763303	SIGNAL PROCESSOR, DIGITAL, WITH MASK PROGRAMMABLE ROM, 25 MHZ
320CF10-25	5962-8763305	SIGNAL PROCESSOR, DIGITAL, 6.7 - 25 MHZ
320CM10-25	5962-8763304	SIGNAL PROCESSOR, DIGITAL, WITH MASK PROGRAMMABLE ROM, 25 MHZ
320C10-25	5962-8763302	SIGNAL PROCESSOR, DIGITAL, 25 MHZ
320C15	5962-8763307	SIGNAL PROCESSOR, DIGITAL, 6.7 - 20 MHZ
320E15	5962-8763306	SIGNAL PROCESSOR, DIGITAL, WITH EPROM, 20 MHZ
320C15-25	5962-8763308	SIGNAL PROCESSOR, DIGITAL, 6.7 - 25 MHZ
320C25	5962-8861901	SIGNAL PROCESSOR, DIGITAL
32C201-10	55201	TIMING CONTROL UNIT, 10 MHZ
32C201-10	5962-8859901	TIMING CONTROL UNIT, 10 MHZ
TVB382	61601	ADDRESS GENERATOR
39C10C	5962-8770803	CONTROLLER, MICROPROGRAM (33 DEEP STACK)
39C10B	5962-8770802	CONTROLLER, MICROPROGRAM (33 DEEP STACK)

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Microprocessors and interface peripherals/FIFO 8/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
39C60A	5962-8861301	ERROR DETECTION/CORRECTION CKT, 16-BIT, 24 NS DETECT TIME, 35 NS CORRECT TIME
39C60	5962-8861302	ERROR DETECTION/CORRECTION CKT, 16-BIT, 36 NS DETECT TIME, 73 NS CORRECT TIME
49C410A	5962-8864302	MICROPROGRAM SEQUENCER, 16-BIT, WITH 33-DEEP STACK
49C410	5962-8864301	MICROPROGRAM SEQUENCER, 16-BIT, WITH 33-DEEP STACK
49C460B	5962-8853302	ERROR DETECTION AND CORRECTION UNIT, 32-BIT, 28 NS DETECT TIME
49C460A	5962-8853301	ERROR DETECTION AND CORRECTION UNIT, 32-BIT, 33 NS DETECT TIME
49C460C	5962-8853306	ERROR DETECTION AND CORRECTION UNIT, 32-BIT, 21 NS ACCESS TIME
54FCT845A	5962-8867501	BUS INTERFACE LATCH, 8-BIT, NONINVERTING, TTL-COMPATIBLE
54FCT845B	5962-8867502	BUS INTERFACE LATCH, 8-BIT, NONINVERTING, TTL-COMPATIBLE
56001-20	5962-8951201	DIGITAL SIGNAL PROCESSOR, 56-BIT GENERAL PURPOSE
57401A	5962-8779103	FIFO MEMORY, 64 X 4 STAND-ALONE, 10 MHZ
57401	5962-8779101	FIFO MEMORY, 64 X 4 STAND-ALONE, 7 MHZ
C57401	5962-8779105	FIFO MEMORY, 64 X 4 CASCADABLE , 7 MHZ
C57401A	5962-8779107	FIFO MEMORY, 64 X 4 CASCADABLE, 10 MHZ
57L401D	5962-8779109	FIFO MEMORY, 64 X 4 STAND-ALONE, 12 MHZ
57L4013D	5962-8779111	FIFO MEMORY, 64 X 4 STAND-ALONE THREE-STATE, 12 MHZ
57402A	5962-8779104	FIFO MEMORY, 64 X 5 STAND-ALONE, 10 MHZ
57402	5962-8779102	FIFO MEMORY, 64 X 5 STAND-ALONE, 7 MHZ
57L402D	5962-8779110	FIFO MEMORY, 64 X 4, STAND-ALONE, 12 MHZ
C57402A	5962-8779108	FIFO MEMORY, 64 X 5 CASCADABLE, 10 MHZ
C57402	5962-8779106	FIFO MEMORY, 64 X 5 CASCADABLE, 7 MHZ
WS5910A	5962-8770801	CONTROLLER, MICROPROGRAM (9 DEEP STACK)
BUS-66300II	5962-8858601	INTERFACE UNIT, BUS TO MICROPROCESSOR, MIL-STD-1553
68000-12	8202104	MICROPROCESSOR, 16-BIT FIXED INSTRUC TION
68000-6	54001	MICROPROCESSOR, 16-BIT FIXED INSTRUC TION
68020-16	5962-8603202	MICROPROCESSOR, 32-BIT
68020-20	5962-8603203	MICROPROCESSOR, 32-BIT
68030-16	5962-8946401	MICROPROCESSOR, 32-BIT ENHANCED
68030-20	5962-8946402	MICROPROCESSOR, 32-BIT ENHANCED
68030-25	5962-8946403	MICROPROCESSOR, 32-BIT ENHANCED
68030-33	5962-8946404	MICROPROCESSOR, 32-BIT ENHANCED
68172	5962-8770501	CONTROLLER, VMEBUS
68442-8	5962-8681101	DMA CONTROLLER, EXTENDED DUAL CHANNEL
68562	5962-8681001	COMMUNICATIONS CONTROLLER, UNIVERSAL SERIAL, DUAL
68HC811E2	5962-8952701	MICROCONTROLLER, 8-BIT, EEPROM 2K BYTES, RAM 256 BYTES
68881-16	5962-8602102	COPROCESSOR, FLOATING-POINT
68881-20	5962-8602103	COPROCESSOR, FLOATING-POINT
68901-4	5962-8850601	PERIPHERAL, MULTIFUNCTION, 4 MHZ
68901-5	5962-8850602	PERIPHERAL, MULTIFUNCTION, 5 MHZ
ICM7170	5962-8765301	CLOCK, REAL-TIME, MICROPROCESSOR-COMPATIBLE
7201LA30	5962-8753101	FIFO MEMORY, 512 X 9 PARALLEL, 30 NS ACCESS TIME
7201LA50	5962-8753102	FIFO MEMORY, 512 X 9 PARALLEL, 50 NS ACCESS TIME
7201LA80	5962-8753103	FIFO MEMORY, 512 X 9 PARALLEL, 80 NS ACCESS TIME
7203S40	5962-8866904	FIFO MEMORY, 2K X 9, 40 NS ACCESS TIME
7203S50	5962-8866903	FIFO MEMORY, 2K X 9, 50 NS ACCESS TIME
7203S65	5962-8866902	FIFO MEMORY, 2K X 9, 65 NS ACCESS TIME
7203S80	5962-8866901	FIFO MEMORY, 2K X 9, 80 NS ACCESS TIME
72404L10	5962-8684601	FIFO MEMORY, 64 X 5 PARALLEL, 10 MHZ
72404L15	5962-8684602	FIFO MEMORY, 64 X 5 PARALLEL, 15 MHZ
72404L25	5962-8684603	FIFO MEMORY, 64 X 5 PARALLEL, 25 MHZ
72404L35	5962-8684604	FIFO MEMORY, 64 X 5 PARALLEL, 35 MHZ
7C429-30	5962-8866905	FIFO MEMORY, 2K X 9, 30 NS ACCESS TIME
7C901-27	5962-8853502	MICROPROCESSOR, 4-BIT SLICE, 27 NS CYCLE TIME
7C901-32	5962-8853501	MICROPROCESSOR, 4-BIT SLICE, 32 NS CYCLE TIME
7C9101-35	5962-8951702	MICROPROCESSOR SLICE, 16-BIT
7C9101-45	5962-8951701	MICROPROCESSOR SLICE, 16-BIT
7C910-46	5962-8770805	CONTROLLER, MICROPROGRAM (17 DEEP STACK)
7C910-51	5962-8770804	CONTROLLER, MICROPROGRAM (17 DEEP STACK)
7C9116-40	5962-8861204	MICROPROCESSOR, 16-BIT
7C9116-65	5962-8861203	MICROPROCESSOR, 16-BIT
7C9116-75	5962-8861202	MICROPROCESSOR, 16-BIT
7C9116-99	5962-8861201	MICROPROCESSOR, 16-BIT
Z-80BCPU	48003	MICROPROCESSOR, 8-BIT
NSC800	8301301	MICROPROCESSOR, 8-BIT, 2.5 MHZ
Z8001B	8000304	MICROPROCESSOR, 16-BIT, 10 MHZ
Z8001ACPU	8000303	MICROPROCESSOR, 16-BIT, 6.0 MHZ
Z8001ACPU	52003	MICROPROCESSOR, 16-BIT, 6.0 MHZ
Z8001CPU	52001	MICROPROCESSOR, 16-BIT, 4.0 MHZ
Z8001CPU	8000301	MICROPROCESSOR, 16-BIT, 4.0 MHZ
Z8002B	8000305	MICROPROCESSOR, 16-BIT, 10 MHZ
NSC800-4	8301302	MICROPROCESSOR, 8-BIT, 3.5 MHZ
80C186-10	5962-8850101	MICROPROCESSOR, 16-BIT, 10 MHZ
80C186-12	5962-8850102	MICROPROCESSOR, 16-BIT, 12.5 MHZ
M80186-6	8501002	MICROPROCESSOR, 16-BIT, 6 MHZ
M80186-8	8501001	MICROPROCESSOR, 16-BIT, 8 MHZ
80C196KB	5962-8998201	MICROCONTROLLER, 16-BIT, 12 MHZ
80286-10	5962-8514803	MICROPROCESSOR, 16-BIT, 10 MHZ
80286-6	5962-8514802	MICROPROCESSOR, 16-BIT, 6 MHZ
80286-8	5962-8514801	MICROPROCESSOR, 16-BIT, 8 MHZ
80287-10	5962-8513301	MICROPROCESSOR, NUMERIC, 80-BIT, 10 MHZ
80287-5	5962-8513303	MICROPROCESSOR, NUMERIC, 80-BIT, 6 MHZ
80287-8	5962-8513302	MICROPROCESSOR, NUMERIC, 80-BIT, 8 MHZ
Z8030	5962-8551802	COMMUNICATIONS CONTROLLER, SERIAL, 4.0 MHZ
Z8030A	5962-8551801	COMMUNICATIONS CONTROLLER, SERIAL, 6.0 MHZ
80C31BH	5962-8506401M	MICROCONTROLLER, 8-BIT (3.5 TO 12 MHZ)
80C31	5962-8506401	MICROCONTROLLER, 8-BIT (3.5 TO 12 MHZ)
80C31-1	5962-8506403	MICROCONTROLLER, 8-BIT (3.5 TO 16 MHZ)
80C31BH-16	5962-8506404M	MICROCONTROLLER, 8-BIT, WITH A MASK PROGRAMMABLE ROM (3.5 TO 16 MHZ)
80C31BH-16	5962-8506403M	MICROCONTROLLER, 8-BIT (3.5 TO 16 MHZ)
8035AHL	5962-8856801	MICROCOMPUTER, 8-BIT, WITH 64 X 8 RAM DATA MEMORY
Z8036	8551702	COUNTER/TIMER AND PARALLEL I/O UNIT, 4.0 MHZ
Z8036A	8551701	COUNTER/TIMER AND PARALLEL I/O UNIT, 6.0 MHZ
80386-12	5962-8766802	MICROPROCESSOR, 32-BIT, 12.5 MHZ
80386-16	5962-8766801	MICROPROCESSOR, 32-BIT, 16 MHZ
80386-20	5962-8766803	MICROPROCESSOR, 32-BIT, 20 MHZ
80386-25	5962-8766804	MICROPROCESSOR, 32-BIT, 25 MHZ
80387-16	5962-8953401	NUMERIC PROCESSOR EXTENSION, 80-BIT
80387-20	5962-8953402	NUMERIC PROCESSOR EXTENSION, 80-BIT
80387-25	5962-8953403	NUMERIC PROCESSOR EXTENSION, 80-BIT
8048AH	5962-8856802	MICROCOMPUTER, 8-BIT, WITH 1K X 8 PROGRAM MEMORY AND 64 X 8 RAM DATA MEMORY
80C51	5962-8506402	MICROCONTROLLER, 8-BIT, WITH A MASK PROGRAMMABLE ROM (3.5 TO 12 MHZ)

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Microprocessors and interface peripherals/FIFO 8/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
80C51BH	5962-8506402M	MICROCONTROLLER, 8-BIT, WITH A MASK PROGRAMMABLE ROM (3.5 TO 12 MHZ)
80C51BH-16	5962-8506404M	MICROCONTROLLER, 8-BIT, WITH A MASK PROGRAMMABLE ROM (3.5 TO 16 MHZ)
80C86	8405201	MICROPROCESSOR, 16-BIT, 5 MHZ
80C86-2	8405202	MICROPROCESSOR, 16-BIT, 8 MHZ
8087	5962-8854702	DATA PROCESSOR, NUMERIC, 5 MHZ
8087-2	5962-8854701	DATA PROCESSOR, NUMERIC, 8 MHZ
8088	5962-8768501	MICROPROCESSOR, 8-BIT
80960MC-16	5962-9094601M	MICROPROCESSOR, 32-BIT, WITH FLOATING POINT AND MMU, 16 MHZ
80960MC-20	5962-9094602M	MICROPROCESSOR, 32-BIT, WITH FLOATING POINT AND MMU, 20 MHZ
80960MC-25	5962-9094603M	MICROPROCESSOR, 32-BIT, WITH FLOATING POINT AND MMU, 25 MHZ
8097	8506301	MICROCONTROLLER, 16-BIT
8097BH	5962-8959601	MICROCONTROLLER, 16-BIT, 12 MHZ
82188	5962-8767201	BUS CONTROLLER, INTEGRATED
82C284-10	5962-8773401	CLOCK GENERATOR AND READY INTERFACE, 10 MHZ
82C284-6	5962-8773403	CLOCK GENERATOR AND READY INTERFACE, 6 MHZ
82C284-8	5962-8773402	CLOCK GENERATOR AND READY INTERFACE, 8 MHZ
82288-6	5962-8514901	BUS CONTROLLER, 6 MHZ
82288-8	5962-8514902	BUS CONTROLLER, 8 MHZ
82380	5962-8959301	DMA CONTROLLER, 32-BIT
82384-12	5962-8766902	CLOCK GENERATOR AND RESET INTERFACE, 12.5 MHZ
82384-16	5962-8766901	CLOCK GENERATOR AND RESET INTERFACE, 16 MHZ
8251A	5962-8754801	COMMUNICATION INTERFACE, PROGRAM MABLE
82510	5962-8972501	CONTROLLER, ASYNCHRONOUS SERIAL
82C52	8501501	CONTROLLER INTERFACE, SERIAL, 16 MHZ
8253	5962-8752001	INTERVAL TIMER, PROGRAMMABLE
8253	5962-8752002	INTERVAL TIMER, PROGRAMMABLE
8253-5	5962-8752003	INTERVAL TIMER, PROGRAMMABLE
82C54	8406501	INTERVAL TIMER, PROGRAMMABLE
8255A	5962-8757001	PERIPHERAL INTERFACE, PROGRAMMABLE
82C55A	8406602	PERIPHERAL INTERFACE, PROGRAMMABLE, 8.0 MHZ
8255A-5	5962-8757002	PERIPHERAL INTERFACE, PROGRAMMABLE
82C55A-5	8406601	PERIPHERAL INTERFACE, PROGRAMMABLE, 5.0 MHZ
82C59A	5962-8501602	INTERRUPT CONTROLLER, PROGRAMMABLE, 8 MHZ
8259A	5962-8751801	INTERRUPT CONTROLLER, PROGRAMMABLE
82C59A-5	5962-8501601	INTERRUPT CONTROLLER, PROGRAMMABLE, 5 MHZ
82720	5962-8608801	DISPLAY CONTROLLER, GRAPHICS
8274	5962-8771301	CONTROLLER, MULTI-PROTOCOL SERIAL
82C88	8406901	BUS CONTROLLER, 8 MHZ
82C89	5962-8552801	BUS ARBITER, 8 MHZ
8X305	8550201	MICROCONTROLLER, 16-BIT
8X305-10	8550202	MICROCONTROLLER, 16-BIT
8X320	5962-8550301	MICROCONTROLLER, 16-BIT
83C451	5962-8972602M	MICROCONTROLLER, I/O EXPANDED, WITH MASK-PROGRAMMABLE ROM
8X371	5962-8757601	I/O PORT, 8-BIT BIDIRECTIONAL LATCHED
8X376	5962-8685101	I/O PORT, PROGRAMMABLE ADDRESSABLE BIDIRECTIONAL ASYNCHRONOUS
8397	8552001	MICROCONTROLLER, 16-BIT, WITH MASK-PROGRAMMABLE ROM
Z8420	8418602	I/O CONTROLLER, PARALLEL, 2.5 MHZ
Z8420A	8418601	I/O CONTROLLER, PARALLEL, 4.0 MHZ
Z84C2006	5962-8951401	I/O CONTROLLER, PARALLEL, 6.17 MHZ
Z8430A	8301601	COUNTER/TIMER UNIT, 4.0 MHZ
Z8430	8301602	COUNTER/TIMER UNIT, 2.5 MHZ
Z84C3006	5962-8951501	COUNTER/TIMER UNIT, 6.17 MHZ
Z8442A	8301501	CONTROLLER, DUAL SERIAL INPUT/OUTPUT, 4.0 MHZ
Z8442	8301502	CONTROLLER, DUAL SERIAL INPUT/OUTPUT, 2.5 MHZ
Z84C4206	5962-8951601	I/O CONTROLLER, DUAL SERIAL, 6.17 MHZ
AM85C30-10	5962-8868903	COMMUNICATIONS CONTROLLER, SERIAL, WITH SDLC ENHANCEMENTS, 10.0 MHZ
AM85C30-12	5962-8868904	COMMUNICATIONS CONTROLLER, SERIAL, WITH SDLC ENHANCEMENTS, 12.0 MHZ
AM85C30-16	5962-8868905	COMMUNICATIONS CONTROLLER, SERIAL, WITH SDLC ENHANCEMENTS, 16.0 MHZ
AM85C30-8	5962-8868906	COMMUNICATION CONTROLLER, SERIAL, WITH SDLC ENHANCEMENTS, 8.0 MHZ
Z8536	8300101	COUNTER/TIMER AND PARALLEL I/O PERIPHERAL UNIT
Z8536A	8300102	COUNTER/TIMER AND PARALLEL I/O PERIPHERAL UNIT
87C51	5962-8768401M	MICROCONTROLLER, 8-BIT, WITH 4K-BYTES EPROM MEMORY (3.5 TO 12 MHZ)
8751H	8419002	MICROCOMPUTER, 8-BIT, WITH 32K-BIT UVEPROM, 12.0 MHZ MAX
87C51FB-12	5962-9056401	CONTROLLER, 8-BIT, HIGH PERFORMANCE, WITH 16K BYTES PROGR. EPROM
87C51-16	5962-8768402M	MICROCONTROLLER, 8-BIT, WITH 4K-BYTES EPROM MEMORY (3.5 TO 16 MHZ)
87C51FB-16	5962-9056402	CONTROLLER, 8-BIT, HIGH PERFORMANCE, WITH 16K BYTES PROGR. EPROM
8751H-8	8419001	MICROCOMPUTER, 8-BIT, WITH 32K-BIT UVEPROM, 8.0 MHZ MAX
87C541	5962-9056401	CONTROLLER, 8-BIT, HIGH PERFORMANCE, WITH 16K BYTES PROGR. EPROM
87C541FB-1	5962-9056402	CONTROLLER, 8-BIT, HIGH PERFORMANCE, WITH 16K BYTES PROGR. EPROM
8797BH	5962-8680901	MICROCONTROLLER, 16-BIT, WITH EPROM
F9450-15	8416901	MICROPROCESSOR, 16-BIT, WITH MIL-STD-1750 INSTRUCTION SET ARCHITECTURE, 15.0 MHZ
F9450-F15	8416904	MICROPROCESSOR, 16-BIT, WITH MIL-STD-1750 INSTRUCTION SET ARCHITECTURE, 15.0 MHZ
F9450-F18	8416902	MICROPROCESSOR, 16-BIT, WITH MIL-STD-1750 INSTRUCTION SET ARCHITECTURE, 18.0 MHZ
F9450-F20	8416903	MICROPROCESSOR, 16-BIT, WITH MIL-STD-1750 INSTRUCTION SET ARCHITECTURE, 20.0 MHZ
9513A	5962-8552301	INTERVAL TIMER, PROGRAMMABLE
9517A	5962-8757501	DMA CONTROLLER, MULTIMODE
9517A-4	5962-8757502	DMA CONTROLLER, MULTIMODE
9519A	5962-8759701	INTERRUPT CONTROLLER, UNIVERSAL

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Operational amplifiers 9/

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
AMP-01B	5962-8863002	INSTRUMENTATION AMPLIFIER, LOW-NOISE, PRECISION
AMP-01A	5962-8863001	INSTRUMENTATION AMPLIFIER, LOW-NOISE, PRECISION
PA02	5962-9067901H	OP AMP, POWER
061	11901	OP AMP, BI-FET, LOW POWER
061	8102301	OP AMP, BI-FET, LOW POWER
062	8102302	OP AMP, DUAL, BI-FET, LOW POWER
062	11902	OP AMP, DUAL, BI-FET, LOW POWER
064	8102303	OP AMP, QUAD, BI-FET, LOW POWER
064	11903	OP AMP, QUAD, BI-FET, LOW POWER
PA07M	5962-9063801H	OP AMP, POWER
PA08M	5962-9072301H	OP AMP, POWER
LM10	5962-8760401	OP AMP/VOLT. REFERENCE
PA10M	5962-9082801H	OP AMP, POWER
LT1007A	5962-8757801	OP AMP, LOW-NOISE, HIGH-SPEED PRECISION
INA101	5962-8778001	INSTRUMENTATION AMPLIFIER, WITH GAIN SENSE
INA101	5962-8778002	INSTRUMENTATION AMPLIFIER
LT1013	5962-8876002	OP AMP, DUAL MATCHED, HIGH PERFOR MANCE
LT1013A	5962-8876001	OP AMP, DUAL MATCHED, HIGH PERFOR MANCE
LT1014A	5962-8967701	OP AMP, QUAD PRECISION
LT1014	5962-8967702	OP AMP, QUAD PRECISION
LM102	10601	VOLT. FOLLOWER
LT1022	5962-8962202	OP AMP, HIGH-SPEED, PRECISION JFET-INPUT
LT1022A	5962-8962201	OP AMP, HIGH-SPEED, PRECISION JFET-INPUT
LT1028AM	5962-8862202	OP AMP, LOW-NOISE, HIGH-SPEED, PRECI SION
LT1028M	5962-8862201	OP AMP, LOW-NOISE, HIGH-SPEED, PRECI SION
LT1037A	5962-8856701	OP AMP, LOW-NOISE, HIGH-SPEED, PRECI SION
LTC1052	5962-8978201	OP AMP, CHOPPER-STABILIZED
LT1055A	5962-8997601	OP AMP, HIGH SPEED PRECISION JFET
LT1055	5962-8997603	OP AMP, HIGH SPEED PRECISION JFET
LT1056	5962-8997604	OP AMP, HIGH SPEED PRECISION JFET
LT1056A	5962-8997602	OP AMP, HIGH SPEED PRECISION JFET
LM107	5962-8958901	OP AMP
LM110	10602	VOLT. FOLLOWER, HIGH-SPEED
LM110	5962-8760601	VOLT. FOLLOWER, HIGH-SPEED
OP14B	5962-8771402	OP AMP, DUAL MATCHED, HIGH PERFOR MANCE
OP14A	5962-8771401	OP AMP, DUAL MATCHED, HIGH PERFOR MANCE
LM143	7800303	OP AMP, HIGH-VOLTAGE
1437	5962-8981301	OP AMP, WIDEBAND
LM144	7800301	OP AMP, HIGH-VOLTAGE
LM149	11002	OP AMP, QUAD
1536	7800304	OP AMP, HIGH-VOLTAGE
1545	5962-8671201	WIDEBAND AMPLIFIER, TWO-CHANNEL INPUT
LM158	5962-8771001	OP AMP, DUAL, LOW-POWER
LM158A	5962-8771002	OP AMP, DUAL, LOW-POWER
1590	5962-8765701	WIDEBAND AMPLIFIER, WIT AGC
OP-17A	5962-8770601	OP AMP, JFET-INPUT (INTERNALLY COMPEN SATED)
OP-17B	5962-8770602	OP AMP, JFET-INPUT (INTERNALLY COMPEN SATED)
OP-200A	5962-8859301	OP AMP, DUAL, LOW-OFFSET, LOW-POWER
CLC200A	5962-8991001	OP AMP, HIGH-SPEED, WIDEBAND
CLC201A	5962-9083301H	OP AMP, WIDEBAND, HIGH-SPEED
TLE2021	5962-9088101M	OP AMP, HIGH-SPEED, LOW-POWER
TLE2022	5962-9088102M	OP AMP, DUAL, HIGH-SPEED, LOW-POWER
TLE2024	5962-9088103M	OP AMP, QUAD, HIGH-SPEED, LOW-POWER
TLE2027M	5962-9089601M	OP AMP, LOW-NOISE, HIGH-SPEED PRECISION
TLE2037M	5962-9089602M	OP AMP, LOW-NOISE, HIGH-SPEED PRECISION, UNCOMPENSATED
EL2038	5962-9153501M	OP AMP, WIDEBAND, HIGH SLEW RATE
EL-2041	5962-8778502	OP AMP, WIDEBAND, FAST SETTLING, UNITY GAIN STABLE
CLC206A	5962-8985801	OP AMP, WIDEBAND, OVERDRIVE PROTECTED
TLE2061M	5962-9080701M	OP AMP, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER
TLE2062M	5962-9080801M	OP AMP, DUAL, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER
TLE2064	5962-9080901M	OP AMP, QUAD, JFET-INPUT HIGH-OUTPUT-DRIVE MICROPOWER
OP207	5962-8771501	OP AMP, DUAL, ULTRA-LOW OFFSET, MATCHED
OP215A	5962-8853801	OP AMP, DUAL PRECISION JFET-INPUT
OP215BR	5962-8853803	OP AMP, DUAL PRECISION JFET-INPUT, WITH BALANCE ADJUST
OP215B	5962-8853802	OP AMP, DUAL PRECISION JFET-INPUT
EL2171	5962-8997302	OP AMP, WIDEBAND, FAST SETTLING, HIGH GAIN
CLC220A	5962-8991101	OP AMP, HIGH-SPEED, WIDEBAND
OP-227A	13504	OP AMP, DUAL, LOW-OFFSET, LOW-NOISE
OP-227A	5962-8688701	OP AMP, DUAL, LOW-OFFSET, LOW-NOISE
OP-237C	5962-9056802	OP AMP, DUAL, LOW-OFFSET, LOW-NOISE, HIGH-SPEED
OP-237A	5962-9056801	OP AMP, DUAL, LOW-OFFSET, LOW-NOISE, HIGH-SPEED
HA-2400	5962-8778301	OP AMP, 4-CHANNEL PROGRAMMABLE
HA-2541	5962-8778501	OP AMP, WIDEBAND, FAST SETTLING, UNITY GAIN STABLE
HA-2544	5962-8950201	OP AMP, VIDEO
OP-260A	5962-9053601	OP AMP, DUAL, HIGH-SPEED CURRENT-FEEDBACK
2640	7800302	OP AMP, HIGH-VOLTAGE
TLC2652M	5962-9089501M	OP AMP, PRECISION CHOPPER-STABILIZED
TLC2652A	5962-9089503M	OP AMP, PRECISION CHOPPER-STABILIZED
TLC2654M	5962-9089502M	OP AMP, LOW-NOISE CHOPPER-STABILIZED
OP-270A	5962-8872101	OP AMP, DUAL, LOW-NOISE, PRECISION
OP-271A	5962-8872102	OP AMP, DUAL, LOW-NOISE, HIGH-SPEED
TLC272	5962-8949401	OP AMP, DUAL PRECISION
TLC27L2	5962-8949403	OP AMP, DUAL PRECISION, LOW POWER
TLC274	5962-9060401	OP AMP, QUAD, PRECISION
TLC27L7	5962-8949404	OP AMP, DUAL PRECISION, LOW POWER
TLC277	5962-8949402	OP AMP, DUAL PRECISION
TLC279	5962-9060402	OP AMP, QUAD, PRECISION
OP-290	5962-8978301	OP AMP, DUAL, PRECISION LOW-VOLTAGE MICROPOWER
OP-37A	13505	OP AMP, LOW-NOISE, PRECISION, HIGH-SPEED
OP-37A	5962-8853701	OP AMP, LOW-NOISE, PRECISION, HIGH-SPEED
37	5962-8853701	OP AMP, LOW-NOISE, PRECISION, HIGH-SPEED
OP-400A	5962-8777101	OP AMP, QUAD, LOW-OFFSET LOW POWER
400	5962-8997001	OP AMP, WIDEBAND, FAST SETTLING, CURRENT FEEDBACK
CLC401	5962-8997301	OP AMP, WIDEBAND, FAST SETTLING, HIGH GAIN
OP-42	12208	OP AMP, HIGH-SPEED, FAST SETTLING, PRECISION
OP-42A	5962-8851301	OP AMP, HIGH-SPEED, FAST SETTLING, PRECISION
OP-42B	5962-8851302	OP AMP, HIGH-SPEED, FAST SETTLING, PRECISION

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
Operational amplifiers 9/ (continued)		
OP421C	5962-8855902	OP AMP, QUAD, LOW-POWER
OP421B	5962-8855901	OP AMP, QUAD, LOW-POWER
MIOP42114	5962-9063801H	OP AMP, POWER
MIOP42115	5962-9082801H	OP AMP, POWER
MIOP42116	5962-9072301H	OP AMP, POWER
4250	7703901	OP AMP
OP44A	12207	OP AMP, HIGH-SPEED, PRECISION, JFET
OP-470A	5962-8856501	OP AMP, QUAD, VERY LOW NOISE
OP-471A	5962-8856502	OP AMP, QUAD, HIGH-SPEED, LOW NOISE
OP490A	5962-8967001	OP AMP, QUAD, LOW-VOLTAGE, MICROPOWER
OP-50A	5962-8967301	OP AMP, HIGH-OUTPUT-CURRENT
OP-50B	5962-8967302	OP AMP, HIGH-OUTPUT-CURRENT
OPA501	5962-8762001	OP AMP, HIGH-POWER
HA-5101	5962-8963501	OP AMP, LOW-NOISE
HA-5102	5962-8954801	OP AMP, DUAL, LOW-NOISE
HA-5104	5962-8850201	OP AMP, QUAD, LOW-NOISE
HA-5114	5962-8963401	OP AMP, QUAD, LOW-NOISE UNCOMPENSATED
HA-5127	5962-8962701	OP AMP, 7.0 V/μS
HA-5137	5962-8962702	OP AMP, 14 V/μS
HA-5141	5962-8965601	OP AMP, LOW-POWER
HA-5142	5962-8965602	OP AMP, DUAL, LOW-POWER
HA-5144	5962-8965603	OP AMP, QUAD, LOW-POWER
HA-5147	5962-8962703	OP AMP, 28 V/μS
AD524S	14301	INSTRUMENTATION AMPLIFIER, PRECISION
AD524	5962-8853901	INSTRUMENTATION AMPLIFIER, PRECISION
OPA541	5962-8870101	OP AMP, HIGH-POWER
5539	5962-8606401	OP AMP, ULTRA-HIGH FREQUENCY, EXTERNAL COMPENSATION
592	8418502	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT
LM604	5962-8963901	OP AMP, MULTIPLEXER, QUAD
LM6161	5962-8962101	OP AMP, HIGH-SPEED
LM6164	5962-8962401	OP AMP, HIGH-SPEED
LM6165	5962-8962501	OP AMP, HIGH-SPEED
AD625	5962-8771901	INSTRUMENTATION AMPLIFIER, PROGRAM MABLE GAIN
OP64A	5962-9053501	OP AMP, HIGH-SPEED, WIDE-BANDWIDTH
733	8418501	VIDEO AMPLIFIER, TWO-STAGE, DIFFERENTIAL INPUT, DIFFERENTIAL OUTPUT
OP-77A	5962-8773802	OP AMP, LOW-OFFSET
OP-77B	5962-8773801	OP AMP, LOW-OFFSET
PA83M/883	5962-9162101H	OP AMP, POWER
PA84M	5962-9073601H	OP AMP, HIGH VOLTAGE
OP-97	5962-8954401	OP AMP, LOW-POWER, HIGH PRECISION
Comparators 10/		
CMP-01	5962-8987101	VOLT. COMPARATOR, FAST PRECISION
CMP04B	5962-8990403	VOLT. COMPARATOR, QUAD, LOW-POWER PRECISION
LT1016	5962-8684501	VOLT. COMPARATOR, HIGH-SPEED
LT1017	5962-8950401	VOLT. COMPARATOR, DUAL
LT1018	5962-8950402	VOLT. COMPARATOR, DUAL
LM139A	5962-8773901	VOLT. COMPARATOR, QUAD
LM160	5962-8767401	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED
LM161	5962-8757203	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED
TLC3704M	5962-9096901M	VOLT. COMPARATOR, QUAD DIFFERENTIAL, LOW-POWER
TLC372	5962-8765801	VOLT. COMPARATOR, DUAL DIFFERENTIAL
TLC374	5962-8765901	VOLT. COMPARATOR, QUAD DIFFERENTIAL
CMP404B	5962-8990402	VOLT. COMPARATOR, QUAD, LOW-POWER PRECISION
CMP404A	5962-8990401	VOLT. COMPARATOR, QUAD, LOW-POWER PRECISION
TL514	5962-8687801	VOLT. COMPARATOR, DUAL DIFFERENTIAL
521	5962-8751601	VOLT. COMPARATOR, DUAL DIFFERENTIAL
527	5962-8757201	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED, WITH EMITTER-FOLLOWER INPUT
529	5962-8757202	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED
54AC11520	5962-9091602M	MAGNITUDE COMPARATOR, 8-BIT, WITH ENABLE AND PULL-UP RESISTORS
54LS682	8415101	MAGNITUDE COMPARATOR, 8-BIT
54LS684	8415201	MAGNITUDE COMPARATOR, 8-BIT
54LS688	8415301	MAGNITUDE COMPARATOR, 8-BIT, WITH OUTPUT ENABLE
6685	8600803	VOLT. COMPARATOR, HIGH-SPEED, OPEN-EMITTER OUTPUT
AM6687	7801902	VOLT. COMPARATOR, DUAL
685	8600801	VOLT. COMPARATOR, HIGH-SPEED, OPEN-EMITTER OUTPUT
685	8600802	VOLT. COMPARATOR, HIGH-SPEED, OPEN-EMITTER OUTPUT
AM686	7801801	VOLT. COMPARATOR, HIGH-SPEED
AM687	7801901	VOLT. COMPARATOR, DUAL
760	5962-8754501	VOLT. COMPARATOR, DIFFERENTIAL, HIGH-SPEED
96685	8600804	VOLT. COMPARATOR, HIGH-SPEED, OPEN-EMITTER OUTPUT
AD96687	7801903	VOLT. COMPARATOR, DUAL
Regulators 12/		
(SEE DWG)	5962-8952001	VOLT. REGULATOR, ADJ., POSITIVE
(SEE DWG)	5962-8952101	VOLT. REGULATOR, ADJ., POSITIVE, 5.0A
(SEE DWG)	5962-8864601	VOLT. REGULATOR, ADJ., POSITIVE, 2.0A
(SEE DWG)	5962-8998101	VOLT. REGULATOR, ADJ., POSITIVE, 1.0A
LT1033	5962-8774101	VOLT. REGULATOR, ADJ., NEGATIVE, 3.0A
LM104	5962-8760501	VOLT. REGULATOR, ADJ., NEGATIVE
LM117HV	7703402	VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE
LT117A	7703405	VOLT. REGULATOR, ADJ., POSITIVE
LT117AHV	7703407	VOLT. REGULATOR, ADJ., POSITIVE, HIGH VOLTAGE
SG123	5962-8777501	VOLT. REGULATOR, FIXED, POSITIVE, 5V
LM137HV	7703404	VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE
LT137A	7703406	VOLT. REGULATOR, ADJ., NEGATIVE
LT137AHV	7703408	VOLT. REGULATOR, ADJ., NEGATIVE, HIGH VOLTAGE
LM140H-24	10705	VOLT. REGULATOR, FIXED, POSITIVE
LM150A	5962-8767502	VOLT. REGULATOR, ADJ., POSITIVE, 3.0A
1524A	5962-8764502	PULSE WIDTH MODULATOR, REGULATING
1524B	5962-8764501	PULSE WIDTH MODULATOR, REGULATING
UC1525A	5962-8951103	PULSE WIDTH MODULATOR, REGULATING
1526A	8551502	PULSE WIDTH MODULATOR, REGULATING
UC1527A	5962-8951104	PULSE WIDTH MODULATOR, REGULATING
1532	5962-8777001	VOLT. REGULATOR
1568	5962-8876301	VOLT. REGULATOR, DUAL, POLARITY TRACKING
1568	5962-8876302	VOLT. REGULATOR, DUAL, POLARITY TRACKING, WITH BALANCE ADJUST
LM1578	5962-8958601	VOLT. REGULATOR, SWITCHING
1825	5962-8768101	PULSE WIDTH MODULATOR CONTROLLER, HIGH SPEED
1834	5962-8774201	VOLT. REGULATOR, HIGH EFFICIENCY
1842	5962-8670401	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE
1843	5962-8670402	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE
1844	5962-8670403	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE

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MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Regulators 12/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
1845	5962-8670404	PULSE WIDTH MODULATOR CONTROLLER, OFF-LINE CURRENT MODE
1847	70202	PULSE WIDTH MODULATOR, CURRENT MODE
1847	5962-8680602	PULSE WIDTH MODULATOR, CURRENT MODE
LM2940-5.0	5962-8958701	VOLT. REGULATOR, FIXED, POSITIVE, LOW DROPOUT, 5V, 1.0A
LP2951	5962-3870501M	VOLT. REGULATOR, ADJ.
3517	5962-8764301	MODULATOR/DEMODULATOR, CONTINOUSLY VARIABLE SLOPE DELTA
4194	7705401	VOLT. REGULATOR, DUAL TRACKING
5560	5962-8672201	POWER SUPPLY CONTROL CIRCUIT, SWITCHED-MODE
7805A	5962-8778201	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A
7806A	5962-8962601	VOLT. REGULATOR, FIXED, POSITIVE, 6V, 1.0A
7808A	5962-8962801	VOLT. REGULATOR, FIXED, POSITIVE, 8V, 1.0A
7812A	5962-8777601	VOLT. REGULATOR, FIXED, POSITIVE, 1.0A
7815A	5962-8855301	VOLT. REGULATOR, FIXED, POSITIVE, 15V, 1.0A
78M24	10705	VOLT. REGULATOR, FIXED, POSITIVE
7824A	5962-8855401	VOLT. REGULATOR, FIXED, POSITIVE, 24V, 1.0 A
78S40	5962-8876101	VOLT. REGULATOR, SWITCHING SUBSYSTEM
7924A	5962-8874901	VOLT. REGULATOR, FIXED, NEGATIVE, 24V, 1.0A

Drivers/receivers 13/

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
(SEE DWG)	5962-8875102	DRIVER/RECEIVER, TRIPLE RS-232
(SEE DWG)	5962-8875101	DRIVER/RECEIVER, TRIPLE RS-232, WITH SHUTDOWN AND BIAS
MOH0268D	5962-8858101	BUS DRIVER, HEX NTDS
MOH0272C	5962-8858201	LINE RECEIVER, HEX NTDS
10H515	5962-8750101	LINE RECEIVER, QUAD DIFFERENTIAL
10516	7800901	LINE RECEIVER, TRIPLE DIFFERENTIAL, WITH COMMON RESET
10H516	5962-8750201	LINE RECEIVER, TRIPLE
LT1080	5962-8766601	BUS TRANSCEIVER, DUAL RS232, WITH SHUTDOWN
LT1081	5962-8766602	BUS TRANSCEIVER, DUAL RS232
MOF1305D	5962-8858301	NTDS FAST DRIVER, HEX
NHI-1500	5962-8757905	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER
NHI-1501	5962-8944702H	DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH
NHI-1502	5962-8982603	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER
NHI-1523	5962-8982604	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER
NHI-1529	5962-8952203	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V
NHI-1531	5962-9082905H	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)
NHI-1545	5962-9082906H	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)
FC1553622	5962-8944703H	DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH
FC1553623	5962-8757906	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER
FC155371	5962-9082901H	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)
FC155372	5962-9082902H	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)
FC1553721	5962-8982605	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER
FC155391	5962-8979901	DRIVER-RECEIVER, LOW POWER
FC155392	5962-8979902	DRIVER-RECEIVER, LOW POWER
CT1589D	5962-8982606	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER
CT1589MI	5962-9082908H	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)
CT1589M	5962-9082907H	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)
MOR1623K	5962-8858401	RECEIVER, QUAD NTDS FAST/ANEW
SG1626	5962-8871601	DRIVER, DUAL HIGH-SPEED INVERTING
DS1631	5962-8863101	PERIPHERAL DRIVER, DUAL AND, CMOS COMPATIBLE, WITH OPEN COLLECTOR OUTPUTS
DS1634	5962-8982101	PERIPHERAL DRIVER, DUAL NOR, CMOS-COMPATIBLE, OPEN-COLLECTOR OUTPUTS
DS16F95	5962-8961501	BUS TRANSCEIVER, DIFFERENTIAL RS-485
UC1706	5962-8961101	OUTPUT DRIVER, DUAL
UC1707	5962-8761901	POWER DRIVER, DUAL-CHANNEL
ARX2411	5962-8757903	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER
2453	5962-8952202	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V
CT2521	5962-8952205	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V
26LS29	5962-8767001	LINE DRIVER, QUAD RS423, WITH THREE-STATE OUTPUTS
26LS30	5962-8672101	LINE DRIVER, DUAL DIFFERENTIAL RS-422 PARTY LINE/QUAD SINGLE ENDED RS-423
26F31	5962-7802302M	LINE DRIVER, QUAD DIFFERENTIAL, HIGH SPEED
26LS31	5962-7802301M	LINE DRIVER, QUAD DIFFERENTIAL, HIGH SPEED
26LS32B	5962-8761601	LINE RECEIVER, QUAD DIFFERENTIAL
26F32	5962-7802005M	LINE RECEIVER, QUAD DIFFERENTIAL
26LS32	5962-7802001M	LINE RECEIVER, QUAD DIFFERENTIAL
26LS33	5962-7802002M	LINE RECEIVER, QUAD DIFFERENTIAL
26LS34	5962-8759601	LINE RECEIVER, QUAD DIFFERENTIAL
2681	5962-8856601	RECEIVER/TRANSMITTER, DUAL ASYNCHRONOUS
2681	5962-8856602	RECEIVER/TRANSMITTER, DUAL ASYNCHRONOUS, WITH 7-BIT INPUT AND 8-BIT OUTPUT PORTS
2907	5962-8770701	BUS TRANSCEIVER, QUAD, WITH INTERFACE LOGIC AND 2.0V INPUT RECEIVER THRESHOLD
2917A	5962-8671401	BUS TRANSCEIVER, QUAD, WITH INTERFACE LOGIC AND THREE-STATE OUTPUTS
2947	5962-8672301	BUS TRANSCEIVER, OCTAL BIDIRECTIONAL, WITH NONINVERTING THREE-STATE OUTPUTS
2952A	5962-8777201	REGISTERED TRANSCEIVER, BIDIRECTIONAL I/O PORTS, NONINVERTING, 8-BIT
2965	5962-8670701	DYNAMIC MEMORY DRIVER, OCTAL, WITH THREE-STATE OUTPUTS AND INVERTING DRIVERS
2966	5962-8670702	DYNAMIC MEMORY DRIVER, OCTAL, WITH THREE-STATE OUTPUTS AND NONINVERTING DRIVERS
UDS2981	5962-8851901	SOURCE DRIVER, HIGH CURRENT
UDS2983	5962-8851902	SOURCE DRIVER, HIGH CURRENT
AM29833A	5962-9051301	BUS TRANSCEIVER, PARITY, WITH REGISTER OPTION
29C853	5962-8857301	BUS TRANSCEIVER, HIGH PERFORMANCE CMOS PARITY, WITH PARITY LOGIC DEFAULT
AM29853A	5962-9051302	BUS TRANSCEIVER, PARITY, WITH LATCH OPTION
29C855	5962-8857302	BUS TRANSCEIVER, HIGH PERFORMANCE CMOS PARITY
AM29855A	5962-9051303	BUS TRANSCEIVER, PARITY
29C861	5962-8770401	BUS TRANSCEIVER, 10-BIT, HIGH PERFORMANCE
29861A	5962-8860401	BUS TRANSCEIVER, 10-BIT BIDIRECTIONAL, WITH THREE-STATE OUTPUTS
29C863	5962-8770402	BUS TRANSCEIVER, 9-BIT, HIGH PERFORMANCE

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Drivers/receivers 13/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
29863A	5962-8860402	BUS TRANSCEIVER, 9-BIT BIDIRECTIONAL, WITH THREE-STATE OUTPUTS
29C961	5962-8770403	BUS TRANSCEIVER, 10-BIT, HIGH PERFOR MANCE
29C963	5962-8770404	BUS TRANSCEIVER, 9-BIT, HIGH PERFOR MANCE
RM3182	5962-8687901	LINE DRIVER, ARINC BUS INTERFACE
3231	5962-8959203	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY HIGH
3231	5962-8959201	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY HIGH
3232	5962-8959204	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH
3232	5962-8959202	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY HIGH
ARX3411	5962-8757904	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER
ARX3416	5962-8944701H	DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH
ARX3419	5962-8982602	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER
ARX3420	5962-9082903H	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY LOW)
ARX3424	5962-9082904H	DRIVER-RECEIVER, SINGLE CHANNEL (RECEIVER IDLE NORMALLY HIGH)
ARX3464	5962-8959206	DRIVER-RECEIVER, SINGLE CHANNEL (UNIVERSAL TRANSCEIVER), RECEIVER STANDBY LOW
ARX3467	5962-8959205	DRIVER-RECEIVER, SINGLE CHANNEL (MIL-STD-1553 A AND B), RECEIVER STANDBY LOW
TSC426	5962-8850301	DRIVER, DUAL POWER MOSFET
TSC427	5962-8850302	DRIVER, DUAL POWER MOSFET
TSC428	5962-8850303	DRIVER, DUAL POWER MOSFET
TSC429	5962-8877001	DRIVER, INVERTING POWER MOSFET
UH-432	5962-8960401	POWER DRIVER, NOR, QUAD 2-INPUT, 40V
UH-432-1	5962-8960402	POWER DRIVER, NOR, QUAD 2-INPUT, 70V
TSC4420	5962-8877003	DRIVER, NONINVERTING POWER MOSFET
TSC4423	5962-8850304	DRIVER, DUAL HIGH-POWER MOSFET
TSC4424	5962-8850305	DRIVER, DUAL HIGH-POWER MOSFET
TSC4425	5962-8850306	DRIVER, DUAL HIGH-POWER MOSFET
TSC4426	5962-8850307	DRIVER, DUAL POWER MOSFET, WITH LATCH PROOF OUTPUTS FOR INDUCTIVE LOADS
TSC4427	5962-8850308	DRIVER, DUAL POWER MOSFET, WITH LATCH PROOF OUTPUTS FOR INDUCTIVE LOADS
TSC4428	5962-8850309	DRIVER, DUAL POWER MOSFET, WITH LATCH PROOF OUTPUTS FOR INDUCTIVE LOADS
TSC4429	5962-8877002	DRIVER, INVERTING POWER MOSFET
UH502	5962-8856401	OR DRIVER, QUAD 2-INPUT, HIGH-OUTPUT VOLTAGE AND CURRENT
UH503	5962-8855101	POWER DRIVER, OR, QUAD 2-INPUT
UH-507	5962-8986701	NAND DRIVER, QUAD, HIGH-OUTPUT VOLTAGE AND CURRENT
UH-508	8550001	POWER DRIVER, AND, QUAD 2-INPUT
UH-532	5962-8960403	POWER DRIVER, NOR, QUAD 2-INPUT, 100V
54ALS1245A	5962-8873701	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54BCT2240	5962-9093901M	BUFFER/LINE DRIVER/MOS DRIVER, OCTAL WITH INVERTED THREE-STATE OUTPUTS
54BCT2244	5962-9074101M	BUFFER/LINE/MOS DRIVER, OCTAL, WITH THREE-STATE OUTPUTS
54ACT240	5962-8775901	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54BCT241	5962-9074301M	BUFFER/LINE DRIVE, OCTAL, WITH THREE-STATE OUTPUTS
54ALS242B	38506	BUS TRANSCEIVER, QUAD, WITH THREE-STATE OUTPUTS
54F242	34801	BUS TRANSCEIVER, QUAD INVERTING, WITH THREE-STATE OUTPUTS
54ALS242B	8401301	BUS TRANSCEIVER, QUAD, WITH THREE-STATE OUTPUTS
54HC242	65501	BUS TRANSCEIVER, QUAD INVERTING, WITH THREE-STATE OUTPUTS
54ALS243A	8401302	BUS TRANSCEIVER, QUAD, WITH THREE-STATE OUTPUTS
54HC243	65502	BUS TRANSCEIVER, QUAD BIDIRECTIONAL, WITH THREE-STATE OUTPUTS
54ALS243A	38507	BUS TRANSCEIVER, QUAD, WITH THREE-STATE OUTPUTS
54HC243	8409001	BUS TRANSCEIVER, QUAD BIDIRECTIONAL, WITH THREE-STATE OUTPUTS
54BCT244	5962-9062501M	LINE DRIVER, OCTAL, WITH THREE-STATE OUTPUTS
54ALS245A	8403001	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54FCT245	5962-8762901	BUS TRANSCEIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54ACT245	5962-8766301	BUS TRANSCEIVER, OCTAL BIDIRECTIONAL, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54FCT245A	5962-8762902	BUS TRANSCEIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54BCT245	5962-9051401M	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54BCT2827A	5962-9074401M	BUS/MOS MEMORY DRIVER, 10-BIT, WITH THREE-STATE OUTPUTS
54BCT2828A	5962-9074501M	BUS/MOS MEMORY DRIVER, 10-BIT, WITH INVERTED 3-STATE OUTPUTS
54F30245	5962-8972201	TRANSMISSION LINE/BACKPLANE TRANSCEIVER, OCTAL 30-OHM, NONINVERTING
54F3037	5962-9056501	NAND DRIVER, QUAD 2-INPUT, 30 OHM
54HC366	65707	BUFFER/DRIVER, HEX, INVERTING, WITH COMMON ENABLES AND THREE-STATE OUTPUTS
54HC366	5962-8682801	BUFFER/DRIVER, HEX, INVERTING, WITH COMMON ENABLES AND THREE-STATE OUTPUTS
54HCT367	5962-9070601M	BUFFER/LINE DRIVER, HEX, NONINVERTING, THREE-STATE, TTL-COMPATIBLE INPUTS
54BCT520A	5962-9075001M	BUS TRANSCEIVER, OCTAL, WITH INVERTING OUTPUTS
54AC540	75710	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54AC540	5962-8769501	BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54BCT540	5962-9074801M	LINE DRIVER, OCTAL, WITH INVERTING THREE-STATE OUTPUTS
54BCT541	5962-9074901M	LINE DRIVER, OCTAL WITH NONINVERTING THREE-STATE OUTPUTS
54BCT543	5962-9087001M	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS

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MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Drivers/receivers 13/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
54FCT543	5962-8973001	TRANSCEIVER, 8-BIT OCTAL LATCHED, NONINVERTING, WITH TS OUTPUTS, TTL-COMPATIBLE
54FCT543A	5962-8973002	TRANSCEIVER, 8-BIT OCTAL LATCHED, NONINVERTING, WITH TS OUTPUTS, TTL-COMPATIBLE
54F544	5962-8955501	BUS TRANSCEIVER, OCTAL, WITH REGISTERS
54BCT544	5962-9155401M	REGISTERED TRANSCEIVERS, OCTAL, WITH THREE-STATE OUTPUTS
54BCT620A	5962-9075001M	BUS TRANSCEIVER, OCTAL, WITH INVERTING OUTPUTS
54F620	5962-8946601	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE INVERTING OUTPUTS
54F621	5962-9050602	BUS TRANSCEIVER, OCTAL, WITH OPEN-COLLECTOR NONINVERTING OUTPUTS
54AC623	75505	BUS TRANSCEIVER, OCTAL NONINVERTING, WITH THREE-STATE OUTPUTS
54HC623	5962-8998901	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54BCT623	5962-9094001M	BUS TRANCEIVER, OCTAL
54F623	5962-9050601	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE NONINVERTING OUTPUTS
54AC640	75506	BUS TRANSCEIVER, OCTAL BIDIRECTIONAL, WITH THREE-STATE OUTPUTS
54HC640	65506	BUS TRANSCEIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54ALS640A	38501	BUS TRANSCEIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54LS640	8416101	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54HC640	5962-8780901	BUS TRANSCEIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54ALS640A	5962-8872701	BUS TRANSCEIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54FCT640	5962-8865401	BUS TRANSCEIVER, OCTAL, BIDIRECTIONAL INVERTING, TTL-COMPATIBLE
54FCT640A	5962-8865402	BUS TRANSCEIVER, OCTAL, BIDIRECTIONAL INVERTING, TTL-COMPATIBLE
54HCT640	5962-8974001	BUS TRANSCEIVER, OCTAL, INVERTING, 3-STATE TTL COMPATIBLE INPUTS
54BCT640	5962-9075201M	BUS TRANSCEIVER, OCTAL, INVERTING OUTPUTS
54ALS641	38502	BUS TRANSCEIVER, OCTAL, WITH OPEN-COLLECTOR OUTPUTS
54ALS642	38503	BUS TRANSCEIVER, OCTAL, WITH OPEN-COLLECTOR OUTPUTS
54LS642	5962-8974801	BUS TRANSCEIVER, OCTAL, INVERTING, WITH OPEN-COLLECTOR OUTPUTS
54ALS643	38504	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54AC643	75507	BUS TRANSCEIVER, OCTAL BIDIRECTIONAL, WITH THREE-STATE OUTPUTS
54HC643	65507	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54FCT645	5962-8865301	BUS TRANSCEIVER, 8-BIT NONINVERTING
54FCT645A	5962-8865302	BUS TRANSCEIVER, OCTAL, NONINVERTING
54LS646	32804	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54AC646	75508	TRANSCEIVER/REGISTER, OCTAL, WITH THREE-STATE OUTPUTS
54HC646	65508	BUS TRANSCEIVER/REGISTER, OCTAL, WITH THREE-STATE OUTPUTS
54HC646	5962-8688501	BUS TRANSCEIVER/REGISTER, OCTAL, WITH THREE-STATE OUTPUTS
54FCT646	5962-8877501	BUS TRANSCEIVER/RECEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54AC646	5962-8968201	TRANSCEIVER/REGISTER, OCTAL, WITH THREE-STATE OUTPUTS
54ALS646	5962-8995601	BUS TRANSCEIVER/REGISTER, OCTAL NONINVERTING, WITH THREE-STATE OUTPUTS
54F646	5962-8975401	BUS TRANSCEIVER/REGISTER
54BCT646	5962-9155501M	BUS TRANSCEIVER/REGISTERS, OCTAL, WITH THREE-STATE OUTPUTS
54FCT646A	5962-8877502	BUS TRANSCEIVER/RECEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54AC648	75509	BUS TRANSCEIVER/REGISTER, OCTAL, WITH THREE-STATE OUTPUTS
54HC648	65509	BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54LS648	32805	BUS TRANSCEIVER, OCTAL, WITH REGISTERS
54F648	5962-8975402	BUS TRANSCEIVER/REGISTER, INVERTED
54ALS648	5962-9052301	BUS TRANSCEIVER/REGISTER, OCTAL INVERTING, WITH THREE-STATE OUTPUTS
54ALS652	5962-8867301	BUS TRANSCEIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54F652	5962-8955801	TRANSCEIVER/REGISTER, OCTAL, WITH THREE-STATE OUTPUTS
54BCT652	5962-9155301M	BUS TRANSCEIVER/REGISTER, OCTAL, WITH THREE-STATE OUTPUTS
54ALS653	5962-8968701	BUS TRANSCEIVER/REGISTER, OCTAL INVERTING, WITH 3-STATE AND OPEN-COLLECTOR OUTPU
54F657	5962-8953501	BUS TRANSCEIVER, OCTAL BIDIRECTIONAL, WITH 8-BIT PARITY GENERATOR/CHECKER
54BCT760	5962-9093801M	BUFFER/DRIVER, OCTAL, WITH OPEN COLLECTOR OUTPUTS
54F776	5962-8870701	PI-BUS TRANSCEIVER, OCTAL, BIDIRECTIONAL LATCHED
54ALS804	5962-8869301	BUFFER/DRIVER, NAND, HEX 2-INPUT
54ALS805A	5962-8869401	BUFFER/DRIVER, NOR, HEX 2-INPUT
54ALS808	5962-8869501	BUFFER/DRIVER, AND, HEX 2-INPUT
54FCT827A	5962-8950601	BUS DRIVER, 10-BIT, NONINVERTING
54FCT827B	5962-8950602	BUS DRIVER, 10-BIT, NONINVERTING
54ALS832	8414501	BUFFER/DRIVER, OR, HEX 2-INPUT
54FCT833A	5962-8973101	BUS TRANSCEIVER, 8-BIT, WITH PARITY, TTL-COMPATIBLE
54FCT833B	5962-8973102	BUS TRANSCEIVER, 8-BIT, WITH PARITY, TTL-COMPATIBLE
54FCT861B	5962-8953302	BUS TRANSCEIVER, 10-BIT NONINVERTING, TTL-COMPATIBLE
54FCT861A	5962-8953301	BUS TRANSCEIVER, 10-BIT NONINVERTING, TTL-COMPATIBLE
54FCT863B	5962-8866102	BUS TRANSCEIVER, 9-BIT, NONINVERTING
54FCT863A	5962-8866101	BUS TRANSCEIVER, 9-BIT, NONINVERTING
55ALS056	5962-9062801	BUS TRANSCEIVER, INTERFACE, TRAPEZOI DAL-WAVEFORM
55ALS057	5962-9062901	BUS TRANSCEIVER, INTERFACE, TRAPEZOI DAL-WAVEFORM
55110A	5962-8754701	LINE DRIVER, DUAL
55113	5962-8874401	LINE DRIVER, DUAL DIFFERENTIAL
55115	5962-8874501	LINE RECEIVER, DUAL DIFFERENTIAL
55116	5962-8851101	LINE TRANSCEIVER, DIFFERENTIAL, WITH THREE-STATE RECEIVER OUTPUT CIRCUITRY
55117	5962-8851102	LINE TRANSCEIVER, DIFFERENTIAL, WITH THREE-STATE RECEIVER OUTPUT CIRCUITRY
55118	5962-8851103	LINE TRANSCEIVER, DIFFERENTIAL, WITH THREE-STATE RECEIVER OUTPUT CIRCUITRY
55119	5962-8851104	LINE TRANSCEIVER, DIFFERENTIAL, WITH THREE-STATE RECEIVER OUTPUT CIRCUITRY
55121	5962-8776901	LINE DRIVER, DUAL
55ALS160	5962-8968001	BUS TRANSCEIVER, OCTAL, GENERAL PURPOSE INTERFACE

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MILITARY

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
Drivers/receivers 13/ (continued)		
55ALS161	5962-8968101	BUS TRANSCEIVER, OCTAL GENERAL PURPOSE INTERFACE
55188	5962-8688901	LINE DRIVER, QUAD
55189A	5962-8688802	LINE RECEIVER, QUAD
55ALS194	5962-8864801	LINE DRIVER, QUAD DIFFERENTIAL, WITH THREE-STATE OUTPUTS
55ALS195	5962-8864901	LINE RECEIVER, QUAD DIFFERENTIAL, WITH THREE-STATE OUTPUTS
55464	12910	PERIPHERAL DRIVER, DUAL NOR
55464	5962-8871502	PERIPHERAL DRIVER, DUAL NOR
55474	5962-8871503	PERIPHERAL DRIVER, DUAL NOR
55500	8601801	DISPLAY DRIVER, AC PLASMA (LINE SELECT)
55501	8601802	DISPLAY DRIVER, AC PLASMA (MATRIX-ADDRESSABLE)
UCS-5800	5962-8764002	DRIVER, 4-BIT LATCHED
UCS-5801	5962-8764001	DRIVER, 8-BIT LATCHED
UCS5822	5962-8764101	LATCHED DRIVER, 8-BIT, SERIAL-INPUT, 100V OUTPUT
UT63M105	5962-8864401	BUS TRANSCEIVER
UT63M107	5962-8864402	BUS TRANSCEIVER
UT63M115	5962-8864403	BUS TRANSCEIVER
UT63M117	5962-8864404	BUS TRANSCEIVER
BUS-63125II	5962-8757902	BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER
UT63M125	5962-8864405	BUS TRANSCEIVER, DUAL
MR63125MPR	5962-8757908	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER
MR63125MFR	5962-8757908	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER
UT63M127	5962-8864406	BUS TRANSCEIVER, DUAL
BUS-63127II	5962-8982601	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER
BUS-63128II	5962-8982601	DRIVER-RECEIVER, DUAL CHANNEL, LOW-POWER
UT63M135	5962-8864407	BUS TRANSCEIVER, DUAL
BUS63135II	5962-8944704H	DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH
BUS63136II	5962-8944704H	DRIVER-RECEIVER, DUAL CHANNEL, RECEIVER IDLE NORMALLY HIGH
UT63M137	5962-8864408	BUS TRANSCEIVER, DUAL
BUS-63147	5962-8952201	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V
BUS-63148	5962-8952204	BUS TRANSCEIVER, DUAL CHANNEL, MIL-STD-1553, 5V
HD-6402B	5962-9052502M	RECEIVER TRANSMITTER, UNIVERSAL ASYNCHRONOUS, 8.0 MHZ
HD-6402R	5962-9052501M	RECEIVER TRANSMITTER, UNIVERSAL ASYNCHRONOUS, 2.0 MHZ
BUS-65111	5962-8763201	REMOTE TERMINAL UNIT, LOW POWER, DUAL, REDUNDANT
BUS-65600	5962-8858501	BUS CONTROLLER, DUAL REDUNDANT, RTU
68681	5962-8856603	RECEIVER/TRANSMITTER, DUAL ASYNCHRONOUS
68C681	5962-8953203	RECEIVER/TRANSMITTER, DUAL ASYNCHRONOUS
ICL7667	5962-8766001	DRIVER, MOSFET, DUAL POWER
78C120	5962-8963001	LINE DRIVER, DUAL DIFFERENTIAL, CMOS-COMPATIBLE
7831	10406	LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL, W/OUTPUT DIODE CLAMPING
7832	10407	LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL
82C82	8406701	BUS DRIVER, LATCHING, OCTAL
82C83	8406702	BUS DRIVER, LATCHING INVERTING, OCTAL
82C84A	8406801	CLOCK GENERATOR/DRIVER, 25 MHZ
8286	5962-8686801	BUS TRANSCEIVER, OCTAL, NONINVERTING
82C86H-5	5962-8757701	BUS TRANSCEIVER, OCTAL
8287	5962-8686802	BUS TRANSCEIVER, OCTAL, INVERTING
82C87H-5	5962-8757702	BUS TRANSCEIVER, OCTAL, INVERTING
88C681	5962-8953201	BUS TRANSCEIVER, DUAL ASYNCHRONOUS
88C681	5962-8953202	BUS TRANSCEIVER, DUAL ASYNCHRONOUS
96F172	5962-9076501M	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE
96F173	5962-9076602M	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485
96F174	5962-9076502M	LINE DRIVER, QUAD DIFFERENTIAL, RS-485 COMPARABLE
96F175	5962-9076601M	LINE RECEIVER, QUAD DIFFERENTIAL, RS-485
9636A	5962-8752301	LINE RECEIVER, DUAL DIFFERENTIAL, PROGRAMMABLE SLEW RATE
9637A	5962-8752401	LINE RECEIVER, DUAL DIFFERENTIAL
9638	5962-8754601	LINE DRIVER, DUAL DIFFERENTIAL, HIGH-SPEED
Timers 14/		
TLC555	14901	TIMER, PRECISION
555LV	14905	TIMER, LOW-POWER PRECISION
TLC555	5962-8950301	TIMER, PRECISION
TLC556	14902	TIMER, DUAL PRECISION
TLC556	5962-8950302	TIMER, DUAL PRECISION
7555	14903	TIMER, LOW-POWER PRECISION
7555	5962-8950303	TIMER, LOW-POWER PRECISION
7556	14904	TIMER, DUAL, LOW-POWER PRECISION
7556	5962-8950304	TIMER, DUAL, LOW-POWER PRECISION
D/A converters 16/		
(SEE DWG)	5962-8877802	D/A CONVERTER, 12-BIT BUFFERED MULTIPLYING
(SEE DWG)	5962-8877801	D/A CONVERTER, 12-BIT BUFFERED MULTIPLYING
DAC02310-112	5962-8851701	D/A CONVERTER, 14-BIT, DEGLITCHED, ±.012% FSR
DAC02310-113	5962-8851702	D/A CONVERTER, 14-BIT, DEGLITCHED, ±.006% FSR
DAC08	5962-8993201	D/A CONVERTER, 8-BIT, HIGH-SPEED MULTIPLYING
BT102	5962-8965301	D/A CONVERTER, 8-BIT VIDEO
MN3290T/B-V	5962-8953103H	D/A CONVERTER, 16-BIT, 0 TO +10V OUTPUT
MN3291T/B-V	5962-8953104H	D/A CONVERTER, 16-BIT, ±5V OUTPUT
BT458	5962-8992801	D/A CONVERTER, TRIPLE 8-BIT, WITH 256X24 COLOR PALETTE
AD558T	14401	D/A CONVERTER, 8-BIT, WITH FULL MICRO PROCESSOR INTERFACE
AD558T	5962-8778902	D/A CONVERTER, 8-BIT, WITH FULL MICRO PROCESSOR INTERFACE
563	12102	D/A CONVERTER, 12-BIT, INTERNAL REFERENCE, 2 MA FS
563	8100802	D/A CONVERTER, 12-BIT, INTERNAL REFERENCE, 2 MA FS
566	12104	D/A CONVERTER, 12-BIT
AD567S	5962-8780101	D/A CONVERTER, 12-BIT CURRENT OUTPUT, MICROPROCESSOR-COMPATIBLE
AD667S	5962-8865901	D/A CONVERTER, 12-BIT, VOLTAGE OUTPUT, MICROPROCESSOR COMPATIBLE

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MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

D/A converters 16/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
DAC703	5962-8856301	D/A CONVERTER, 16-BIT
7226	5962-8780201	D/A CONVERTER, QUAD 8-BIT, WITH OUTPUT AMPLIFIERS
7228U	5962-8866302	D/A CONVERTER, 8-BIT, VOLTAGE-MODE
7228T	5962-8866301	D/A CONVERTER, 8-BIT, VOLTAGE-MODE
7523	12701	D/A CONVERTER, 8-BIT
7524	5962-8770001	D/A CONVERTER, 8-BIT MULTIPLYING BUFFERED, WITH .5 LSB
7524	5962-8770002	D/A CONVERTER, 8-BIT, MULTIPLYING BUFFERED, WITH .25 LSB
7524	5962-8770003	D/A CONVERTER, 8-BIT MULTIPLYING BUFFERED, WITH .125 LSB
7528	5962-8770103	D/A CONVERTER, DUAL 8-BIT BUFFERED, ±1 LSBS OF GAIN ERROR
7528	5962-8770102	D/A CONVERTER, DUAL 8-BIT BUFFERED, ±2 LSBS OF GAIN ERROR
7528	5962-8770101	D/A CONVERTER, DUAL 8-BIT BUFFERED, ±4 LSBS OF GAIN ERROR
7537T	5962-8776302	D/A CONVERTER, DUAL 12-BIT, 8 + 4 LOADING STRUCTURE, 12-BIT LINEARITY
7537S	5962-8776301	D/A CONVERTER, DUAL 12-BIT, 8 + 4 LOADING STRUCTURE, 11-BIT LINEARITY
7537U	5962-8776303	D/A CONVERTER, DUAL 12-BIT, 8 + 4 LOADING STRUCTURE, 12-BIT LINEARITY
7541	12704	D/A CONVERTER, 12-BIT MULTIPLYING
PM7541AA	5962-8948104	D/A CONVERTER, 12-BIT MULTIPLYING
PM7541AB	5962-8948103	D/A CONVERTER, 12-BIT MULTIPLYING
AD7541AT	5962-8948102	D/A CONVERTER, 12-BIT MULTIPLYING
AD7541AS	5962-8948101	D/A CONVERTER, 12-BIT MULTIPLYING
7545S	5962-8770201	D/A CONVERTER, 12-BIT BUFFERED
7545U	5962-8770203	D/A CONVERTER, 12-BIT BUFFERED
7545G	5962-8770204	D/A CONVERTER, 12-BIT BUFFERED
7545B	5962-8770205	D/A CONVERTER, 12-BIT BUFFERED
7545A	5962-8770206	D/A CONVERTER, 12-BIT BUFFERED
7545T	5962-8770202	D/A CONVERTER, 12-BIT BUFFERED
7547S	5962-8965701	D/A CONVERTER, 12-BIT DUAL
7547U	5962-8965703	D/A CONVERTER, 12-BIT DUAL
7549S	5962-8876501	D/A CONVERTER, DUAL 12-BIT, ±1.0 LSB
7549T	5962-8876502	D/A CONVERTER, DUAL 12-BIT, ±0.5 LSB
AD767	5962-8961701	D/A CONVERTER, 12-BIT
AD7846	5962-8969701	D/A CONVERTER, 16-BIT VOLTAGE OUTPUT
DAC8221A	5962-8967101	D/A CONVERTER, DUAL 12-BIT BUFFERED MULTIPLYING
DAC8222A	5962-8967201	D/A CONVERTER, DUAL 12-BIT DOUBLE-BUFFERED MULTIPLYING
DAC-8408A	5962-8967801	D/A CONVERTER, QUAD 8-BIT MULTIPLYING, WITH MEMORY
DAC-8408B	5962-8967802	D/A CONVERTER, QUAD 8-BIT MULTIPLYING, WITH MEMORY
HS9324	5962-8862901	D/A CONVERTER, QUAD 12-BIT

A/D converters 17/

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
ADC00300	5962-8854201	A/D CONVERTER, 12-BIT, TRACK/HOLD
TDC1046	5962-8778601	A/D CONVERTER, 6-BIT FLASH
TDC1048	5962-8760001	A/D CONVERTER, 8-BIT
TDC1049	5962-8853201	A/D CONVERTER, 9-BIT
HS1068	5962-8877601	A/D CONVERTER, 8-BIT FLASH
SP1078B	5962-8997901	A/D CONVERTER, 8-BIT, FLASH
CS5012	5962-8967901	A/D CONVERTER, 12-BIT
CS5014-S	5962-8967401	A/D CONVERTER, 14-BIT, 14.25 μS
CS5014-T	5962-8967402	A/D CONVERTER, 14-BIT, 14.25 μS
CS5016-S	5962-8967601	A/D CONVERTER, 16-BIT, 16.25 μS
CS5016-T	5962-8967602	A/D CONVERTER, 16-BIT, 16.25 μs
5207	12008	A/D CONVERTER, 12-BIT
5217	12016	A/D CONVERTER, 12-BIT
MN5290	5962-8956301HA	A/D CONVERTER, 16-BIT RESOLUTION
MN5291	5962-8956302HA	A/D CONVERTER, 16-BIT RESOLUTION
CS5412-TC1	5962-9095701M	A/D CONVERTER, 12-BIT, 1 MHZ, ±2 LSB
CS5412-SC1	5962-9095702M	A/D CONVERTER, 12-BIT, 1 MHZ, ±3 LSB
TLC548	5962-9084501M	A/D CONVERTER, 8-BIT, WITH SERIAL CONTROL, 2.048 MHZ
TLC549	5962-9084502M	A/D CONVERTER, 8-BIT, WITH SERIAL CONTROL, 1.1 MHZ
AD570	5962-8680201	A/D CONVERTER, 8-BIT, WITH THREE-STATE BUFFERED OUTPUTS
AD571	13401	A/D CONVERTER, 10-BIT, WITH THREE-STATE BUFFERED OUTPUTS
AD571	5962-8680202	A/D CONVERTER, 10-BIT, WITH THREE-STATE BUFFERED OUTPUTS
AD573S	5962-8850501	A/D CONVERTER, 10-BIT, WITH MICROPROCESSOR INTERFACE
AD650	13803	VOLT.-TO-FREQUENCY CONVERTER
670S	5962-8763501	A/D CONVERTER, 8-BIT, WITH INPUT AMPLIFIER
AD673S	5962-8850502	A/D CONVERTER, 8-BIT, WITH MICROPROCESSOR INTERFACE
674AT	14006	A/D CONVERTER, 12-BIT
674AU	14005	A/D CONVERTER, 12-BIT
75C48S20	5962-8874301	A/D CONVERTER, 8-BIT FLASH
AD7572	5962-8759105	A/D CONVERTER, HIGH-SPEED
AD7572T05	5962-8759105	A/D CONVERTER, HIGH-SPEED
AD7572S05	5962-8759104	A/D CONVERTER, HIGH-SPEED
AD7572U05	5962-8759106	A/D CONVERTER, HIGH-SPEED
AD7572T12	5962-8759102	A/D CONVERTER, HIGH-SPEED
AD7572U12	5962-8759103	A/D CONVERTER, HIGH-SPEED
AD7572S12	5962-8759101	A/D CONVERTER, HIGH-SPEED
PM-7574A	5962-8961603	A/D CONVERTER, 8-BIT, MICROPROCESSOR-COMPATIBLE
PM-7574B	5962-8961604	A/D CONVERTER, 8-BIT, MICROPROCESSOR-COMPATIBLE
7575S	5962-8776201	A/D CONVERTER, 8-BIT, WITH TRACK/HOLD AMPLIFIER
7575T	5962-8776202	A/D CONVERTER, 8-BIT, WITH TRACK/HOLD AMPLIFIER
AD7579	5962-8969801	A/D CONVERTER, 10-BIT SAMPLING, WITH (8+2) READ INTERFACING STRUCTURE
AD7580	5962-8969802	A/D CONVERTER, 10-BIT SAMPLING, WITH A 10-BIT PARALLEL WORD
AD7672TQ05	5962-8965503	A/D CONVERTER, 12-BIT, 11-BIT LINEARITY
AD7672UQ05	5962-8965504	A/D CONVERTER, 12-BIT, 12-BIT LINEARITY
AD7672UQ10	5962-8965502	A/D CONVERTER, 12-BIT, 12-BIT LINEARITY
AD7672TQ10	5962-8965501	A/D CONVERTER, 12-BIT, 11-BIT LINEARITY
7684S	5962-8977702	A/D CONVERTER, 8-BIT FLASH
7684T	5962-8977701	A/D CONVERTER, 8-BIT FLASH
AD7820U	5962-8865001	A/D CONVERTER, 8-BIT, WITH TRACK/HOLD, ±0.5 LSB
AD7820T	5962-8865002	A/D CONVERTER, 8-BIT, WITH TRACK/HOLD, ±1.0 LSB
7824T	5962-8876401	A/D CONVERTER, 8-BIT, 4-CHANNEL, ±1.0 LSB
7824U	5962-8876402	A/D CONVERTER, 8-BIT, 4-CHANNEL, ±0.5 LSB
7828T	5962-8876403	A/D CONVERTER, 8-BIT, 8-CHANNEL, ±1.0 LSB
7828U	5962-8876404	A/D CONVERTER, 8-BIT, 8-CHANNEL, ±0.5 LSB
78C48SC30	5962-8874302	A/D CONVERTER, 8-BIT FLASH
DAC87	13702	A/D CONVERTER, 12-BIT, RANGE PROGRAMMABLE, VOLTAGE OUTPUT
DAC87	8300301	A/D CONVERTER, 12-BIT, RANGE PROGRAMMABLE, VOLTAGE OUTPUT
AD9012S	5962-8965401	A/D CONVERTER, 8-BIT

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY

MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
A/D converters 17/ (continued)		
AD9012T	5962-8965402	A/D CONVERTER, 8-BIT
ADC-908A	5962-8961601	A/D CONVERTER, 8-BIT, MICROPROCESSOR-COMPATIBLE
ADC-908B	5962-8961602	A/D CONVERTER, 8-BIT, MICROPROCESSOR-COMPATIBLE
Analog switches/multiplexers 18/		
(SEE DWG)	7705203	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL, WITH OVERVOLTAGE PROTECTION
(SEE DWG)	5962-8671601	ANALOG SWITCH, QUAD SPST, HIGH-SPEED
(SEE DWG)	5962-8671602	ANALOG SWITCH, QUAD SPST, HIGH-SPEED
SW-06B	5962-8966901	ANALOG SWITCH, QUAD SPST JFET
MUX-08B	5962-8771602	ANALOG MULTIPLEXER, 8-CHANNEL
MUX-08A	5962-8771601	ANALOG MULTIPLEXER, 8-CHANNEL
DG129A	7801401	ANALOG SWITCH, DUAL DPST
1549	5962-8684901	ANALOG LATCH, CURRENT SENSING, WITH DIGITAL RESET
MUX-16B	5962-8771702	ANALOG MULTIPLEXER, 16-CHANNEL (OVERVOLTAGE PROTECTED)
MUX-16A	5962-8771701	ANALOG MULTIPLEXER, 16-CHANNEL (OVERVOLTAGE PROTECTED)
HS-1840RH	5962D8753801	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL, WITH OVERVOLTAGE PROTECTION
2069	5962-8753201	DARLINGTON SWITCH, QUAD, WITH PRE-DRIVER STAGES
2070	5962-8753202	DARLINGTON SWITCH, QUAD, WITH PRE-DRIVER STAGES
MUX-24B	5962-8771802	ANALOG MULTIPLEXER, 4-CHANNEL DIFFERENTIAL
MUX-24A	5962-8771801	ANALOG MULTIPLEXER, 4-CHANNEL DIFFERENTIAL
HS362	5962-8956501	MULTIPLEXER, DUAL 8-CHANNEL, WITH SAMPLE AND HOLD
DG401	5962-9056901	ANALOG SWITCH, DUAL SPST
DG403	5962-8976301	ANALOG SWITCH, DUAL SPDT
DG405	5962-8996101	ANALOG SWITCH, DUAL DPST
AH5010	5962-9087801M	ANALOG SWITCH, 4-CHANNEL
AH5012	5962-9088001M	ANALOG SWITCH, 4-CHANNEL
HI5043	8100612	ANALOG SWITCH, SPDT, 2-CHANNEL, 30 OHMS
HI5045	8100614	ANALOG SWITCH, DPST, 2-CHANNEL, 75 OHMS
IH5046	10507	ANALOG SWITCH, DPDT, 1-CHANNEL, 75 OHMS
IH5046	8100607	ANALOG SWITCH, DPDT, 1-CHANNEL, 75 OHMS
HI5046A	8100617	ANALOG SWITCH, DPDT, 1-CHANNEL, 30 OHMS
HI5046	8100615	ANALOG SWITCH, DPDT, 1-CHANNEL, 75 OHMS
IH5047	10508	ANALOG SWITCH, 4PST, 1-CHANNEL, 75 OHMS
IH5047	8100608	ANALOG SWITCH, 4PST, 1-CHANNEL, 75 OHMS
HI5047A	8100618	ANALOG SWITCH, 4PST, 1-CHANNEL, 30 OHMS
HI5047	8100616	ANALOG SWITCH, 4PST, 1-CHANNEL, 75 OHMS
HI5049	8100620	ANALOG SWITCH, DPST, 2-CHANNEL, 30 OHMS
HI5050	8100621	ANALOG SWITCH, SPDT, 1-CHANNEL, 30 OHMS
HI5051	8100622	ANALOG SWITCH, SPDT, 2-CHANNEL, 30 OHMS
IH5116	5962-8513104	ANALOG MULTIPLEXER/DEMULTIPLEXER, 16-CHANNEL, WITH OVERVOLTAGE PROTECTION
DG5140	8100609	ANALOG SWITCH, SPST, 1-CHANNEL, 75 OHMS
DG5141	8100610	ANALOG SWITCH, SPDT, 2-CHANNEL, 75 OHMS
DG5142	8100611	ANALOG SWITCH, SPDT, 1-CHANNEL, 75 OHMS
DG5144	8100613	ANALOG SWITCH, DPST, 1-CHANNEL, 30 OHMS
IH5148	8100619	ANALOG SWITCH, SPST, 2-CHANNEL, 30 OHMS
HI-516	5962-8869901	ANALOG MULTIPLEXER, 16-CHANNEL/8-CHANNEL DIFFERENTIAL
IH5208	5962-8513106	ANALOG MULTIPLEXER/DEMULTIPLEXER, DIFFERENTIAL 4-CHANNEL, WITH OVERVOLTAGE PROTE
IH5216	5962-8513105	ANALOG MULTIPLEXER/DEMULTIPLEXER, 8-CHANNEL DIFFERENTIAL, WITH OVERVOLTAGE PROTE
HI524	5962-8761801	ANALOG MULTIPLEXER, 4-CHANNEL WIDEBAND VIDEO
ADG526A	5962-8971001	ANALOG MULTIPLEXER, 16-CHANNEL, LATCHED
ADG527A	5962-8971002	ANALOG MULTIPLEXER, 8-CHANNEL, LATCHED
DG528	5962-8768901	ANALOG MULTIPLEXER, 8-CHANNEL LATCHABLE
IH5352	5962-8875001	ANALOG SWITCH, SPST, 4-CHANNEL, RF/VIDEO
54HC4016	5962-8875801	ANALOG SWITCH, QUAD
54HC4052	5962-8855601	ANALOG MULTIPLEXER/DEMULTIPLEXER, DOUBLE-POLE, FOUR-POSITION
54HC4053	5962-8775401	ANALOG MULTIPLEXER
54HC4066	5962-8950701	ANALOG SWITCH, SPST, 4-CHANNEL
Voltage references 19/		
(SEE DWG)	5962-8688203	VOLT. REFERENCE, PRECISION, 10V
(SEE DWG)	5962-8688202	VOLT. REFERENCE, PRECISION, 10V
(SEE DWG)	5962-8688201	VOLT. REFERENCE, PRECISION, 10V
REF01A	5962-8958101	VOLT. REFERENCE, ADJUSTABLE OUTPUT, +10V
REF01	5962-8958102	VOLT. REFERENCE, ADJUSTABLE OUTPUT, +10V
REF02A	8551401	VOLT. REFERENCE, PRECISION, +5V ADJUSTABLE OUTPUT
REF10A	12403	VOLT. REFERENCE, PRECISION, +10V ADJUSTABLE OUTPUT
REF10B	5962-8947902	VOLT. REFERENCE, PRECISION, +10V ADJUSTABLE OUTPUT
REF10A	5962-8947901	VOLT. REFERENCE, PRECISION, +10V ADJUSTABLE OUTPUT
LT1004-1.2	5962-8859701	VOLT. REFERENCE DIODE
LT1004-2.5	5962-8859702	VOLT. REFERENCE DIODE
LT1009	5962-8961001	VOLT. REFERENCE DIODE, 2.5V
LT1019-10	5962-9059505	VOLT. REFERENCE, PRECISION, 10V
LT1019A-10	5962-9059501	VOLT. REFERENCE, PRECISION, 10V
LT1019-2.5	5962-9059508	VOLT. REFERENCE, PRECISION, 2.5V
LT1019A-2.5	5962-9059504	VOLT. REFERENCE, PRECISION, 2.5V
LT1019-4.5	5962-9059507	VOLT. REFERENCE, PRECISION, 4.5V
LT1019A-4.5	5962-9059503	VOLT. REFERENCE, PRECISION, 4.5V
LT1019-5	5962-9059506	VOLT. REFERENCE, PRECISION, 5V
LT1019A-5	5962-9059502	VOLT. REFERENCE, PRECISION, 5V
102110	12409	VOLT. REFERENCE
LT1021DM-10	5962-8860003	VOLT. REFERENCE, 10V
LT1021CM-10	5962-8860002	VOLT. REFERENCE, 10V
LT1021BM-10	5962-8860001	VOLT. REFERENCE, 10V
10215	12407	VOLT. REFERENCE
LT1021CM-5	5962-8876202	VOLT. REFERENCE, PRECISION, 5.0V
LT1021DM-5	5962-8876203	VOLT. REFERENCE, PRECISION, 5.0V
LT1021BM-5	5962-8876201	VOLT. REFERENCE, PRECISION, 5.0V
10217	12408	VOLT. REFERENCE
LT1021DM-7	5962-8864702	VOLT. REFERENCE, 7.0V
LT1021BM-7	5962-8864701	VOLT. REFERENCE, 7.0V
LM103H-3.3	7702807	VOLT. REFERENCE, 3.3V
LM103H-3.6	7702808	VOLT. REFERENCE, 3.6V

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Voltage references 19/ (continued)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
LM103H-3.9		
	7702809	VOLT. REFERENCE, 3.9V
LM103H-4.3		
	7702810	VOLT. REFERENCE, 4.3V
LM113	5962-8671101	VOLT. REFERENCE DIODE
LM113-1	5962-8671102	VOLT. REFERENCE DIODE
LM113-2	5962-8671103	VOLT. REFERENCE DIODE
LM129A	12402	VOLT. REFERENCE, 6.9V PRECISION
LM129B	12406	VOLT. REFERENCE, 6.9V PRECISION
LM129A	5962-8992101	VOLT. REFERENCE, 6.9V PRECISION
LM129C	5962-8992103	VOLT. REFERENCE, 6.9V PRECISION
LM129B	5962-8992102	VOLT. REFERENCE, 6.9V PRECISION
LM136A-2.5	8418001	VOLT. REFERENCE, PRECISION, 2.5V
LM136A-5.0	8418002	VOLT. REFERENCE, PRECISION, 5.0V
1503A	5962-8686102	VOLT. REFERENCE, PRECISION 2.5V (.4%)
SG1503	5962-8686101	VOLT. REFERENCE, PRECISION 2.5V (1%)
LM185-1.2	5962-8759401	VOLT. REFERENCE DIODE
LM185BY1.2		
	5962-8759405	VOLT. REFERENCE DIODE
LM185BX1.2		
	5962-8759403	VOLT. REFERENCE DIODE
LM185BY2.5		
	5962-8759406	VOLT. REFERENCE DIODE
LM185-2.5	5962-8759402	VOLT. REFERENCE DIODE
LM185BX2.5		
	5962-8759404	VOLT. REFERENCE DIODE
LM199	12404	VOLT. REFERENCE, PRECISION
LM199A	12401	VOLT. REFERENCE, PRECISION
LM199	5962-8856102	VOLT. REFERENCE, PRECISION
LM199A	5962-8856101	VOLT. REFERENCE, PRECISION
LM199A-20	12405	VOLT. REFERENCE
2700	13601	VOLT. REFERENCE
2702	13602	VOLT. REFERENCE
REF-43	5962-9060301	VOLT. REFERENCE, LOW-POWER PRECISION, + 2.5V
580S	5962-8686101	VOLT. REFERENCE, PRECISION 2.5V (1%)
580T	5962-8686102	VOLT. REFERENCE, PRECISION 2.5V (.4%)
580U	5962-8686103	VOLT. REFERENCE, PRECISION 2.5V (.4%)
AD586T	5962-8982402	VOLT. REFERENCE, 5.0V
AD586S	5962-8982401	VOLT. REFERENCE, 5.0V
AD587SQ	5962-8982501	VOLT. REFERENCE, 10V
AD587TQ	5962-8982502	VOLT. REFERENCE, 10V
AD588T	5962-8972802	VOLT. REFERENCE, PIN-PROGRAMMABLE
AD588S	5962-8972801	VOLT. REFERENCE, PIN-PROGRAMMABLE
R675B-3	13602	VOLT. REFERENCE
R675B-4	13601	VOLT. REFERENCE

Sample and hold 20/

HTC-0300	14201	SAMPLE AND HOLD AMPLIFIER
THA-05203-1		
	14201	SAMPLE AND HOLD AMPLIFIER
2420	8001601	SAMPLE AND HOLD AMPLIFIER
MN376H	14201	SAMPLE AND HOLD AMPLIFIER
MN376	5962-9073001H	
		SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED
SHM-4860MM		
	14201	SAMPLE AND HOLD AMPLIFIER
4860-83	14201	SAMPLE AND HOLD AMPLIFIER
HA-5330	5962-8767701	SAMPLE AND HOLD AMPLIFIER
5537	12502	SAMPLE AND HOLD AMPLIFIER
AD585	5962-8754001	SAMPLE AND HOLD AMPLIFIER, HIGH-SPEED

Hybrid 22/

(SEE DWG)	5962-8968301H	DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL
(SEE DWG)	5962-8968303H	DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL
(SEE DWG)	5962-8968302H	DC/DC CONVERTER, 5-VOLT, SINGLE CHANNEL
SDC14500-635	5962-9070701H	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V
SDC14500-636	5962-9070702H	SYNCHRO-TO-DIGITAL CONVERTER, 400 HZ, 11.8V
SDC14502-605	5962-9070703H	SYNCHRO-TO DIGITAL CONVERTER, 60 HZ, 90V
SDC14502-606	5962-9070704H	SYNCHRO-TO-DIGITAL CONVERTER, 60 HZ, 90V
RDC14505-641	5962-8768703	RESOLVER TO DIGITAL CONVERTER, 400 HZ, 6V INPUT
SDC14531-631	5962-9082002H	S-R/D CONVERTER, 11.8V, 400 HZ
SDC14531-690	5962-9082001H	S-R/D CONVERTER, 11.8V, 400 HZ
SDC14567-111	5962-9055101	DR/D CONVERTER, 1.0V, 400 HZ
SDC14567-112	5962-9055102	DR/D CONVERTER, 1.0 V, 400 HZ
SDC14567-114	5962-9055103	DR/D CONVERTER, 1.0 V, 400 HZ
SDC14567-115	5962-9055104	DR/D CONVERTER, 1.0 V, 400 HZ
SDC14569-111	5962-9055105	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY
SDC14569-112	5962-9055106	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY
SDC14569-114	5962-9055107	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY
SDC14569-115	5962-9055108	DR/D CONVERTER, 1.0 V, 400 HZ, TRIMMED VELOCITY
2452	5962-8753502	REMOTE TERMINAL UNIT, DUAL REDUNDANT
AHE2812S	5962-9158001H	DC/DC CONVERTER, 20W, 12V OUTPUT
AHE2812S-MST	5962-9158003H	DC/DC CONVERTER, 20W, 12V OUTPUT
AHE2812S-SLV	5962-9158002H	DC/DC CONVERTER, 20W, 12V OUTPUT
HCPL-5601	5962-9085501H	OPTOCOUPLER, SINGLE CHANNEL, HIGH-SPEED
HCPL-5631	8102802	OPTOCOUPLER, DUAL CHANNEL, WITH COMMON SUPPLY VOLTAGE AND GROUND CONNECTIONS
BUS-65112	5962-8753501	REMOTE TERMINAL UNIT, DUAL REDUNDANT
HCPL-6631	8102803	OPTOCOUPLER, DUAL CHANNEL, WITH SEPARATE SUPPLY VOLTAGE AND GROUND CONNECTIONS
HSDC-8920	5962-8768702	RESOLVER TO DIGITAL CONVERTER, 400 HZ

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MILITARY PARTS

TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
Hybrids 22/ (continued)		
HSDC-8920A	5962-8768701	RESOLVER TO DIGITAL CONVERTER, 400 HZ
HS9403-16	5962-8851402	DATA ACQUISITION SYSTEM, 12-BIT
HS9403-8	5962-8851401	DATA ACQUISITION SYSTEM, 12-BIT
Other digital devices 23/		
BFRP10	63001	FFT PROCESSOR, 20 MHZ
12540	5962-8775201	PHASE/FREQUENCY DETECTOR
14490A	5962-8764601	CONTACT BOUNCE ELIMINATOR, HEX
UT1553BRTR	5962-8957601	REMOTE TERMINAL INTERFACE, WITH 1K X 16 RAM
UT1760ARTS	5962-8957501	REMOTE TERMINAL FOR STORES WITH 1K X 16 RAM
UT1760RTS	5962-8957501	REMOTE TERMINAL FOR STORES WITH 1K X 16 RAM
CT1820	5962-9063601H	BIT PROCESSOR, DATA TERMINAL MIL-STD-1553
CT1820-2	5962-9063602H	BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL, WITH HIGH DATA BUS DRIVER CAPABILITY
TMC2023V	5962-8971101	OUTPUT CORRELATOR, DIGITAL, 64-BIT, 25 MHZ
TMC2023V1	5962-8971102	OUTPUT CORRELATOR, DIGITAL, 64-BIT, 30 MHZ
ARX2410	5962-9063603H	BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL
ARX3410	5962-9063604H	BIT PROCESSOR, MIL-STD-1553 DATA TERMINAL
68154	5962-8857201	INTERRUPT GENERATOR
68155	5962-8866601	INTERRUPT HANDLER
Analog circuit functions 24/		
LT1054M	5962-8956201	VOLTAGE CONVERTER, SWITCHED CAPACITOR, WITH REGULATOR
LTC1060A	5962-8864101	FILTER, UNIVERSAL DUAL
LTC1064	5962-8948301	UNIVERSAL FILTER BUILDING BLOCK, QUAD
LTC1064-4	5962-9064901	FILTER, CAUER LOW PASS, LOW NOISE, 8TH ORDER, CLOCK SWEEPABLE
HSD1066-341V	5962-8949905	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY
HSD1066-341H	5962-8949904	SYNCRHO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY
HSD1066-381H	5962-8949906	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY
LM131A	5962-8760701	VOLT.-TO-FREQUENCY CONVERTER
SDC14560-114	5962-8949901	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY
SDC14560-115	5962-8949902	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 1.0 MINUTE ACCURACY
SDC14560-605	5962-8949903	SYNCHRO-TO-DIGITAL CONVERTER, 11.8V, 400 HZ, 2.0 MINUTES ACCURACY
SDC14561-114	5962-8949801	SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 2.0 MINUTES ACCURACY
SDC14561-115	5962-8949802	SYNCHRO-TO-DIGITAL CONVERTER, 90 V, 400 HZ, 1.0 MINUTES ACCURACY
SDC14565-114	5962-8990801	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY
SDC14565-115	5962-8990802	R/D CONVERTER, 11.8 V, 400 HZ, 1.0 MINUTE ACCURACY
SDC14565-616	5962-8990803	R/D CONVERTER, 11.8 V, 400 HZ, 2.0 MINUTES ACCURACY
SDC14565-618	5962-8990805	R/D CONVERTER, 7.0 V, 400 HZ, 80 HZ BANDWIDTH, 2.0 MINUTES ACCURACY
SDC14566-115	5962-8990804	R/D CONVERTER, 11.8 V, 400 HZ, TRIMMED VELOCITY, 1.0 MINUTE ACCURACY P
1543	5962-8774001	POWER SUPPLY OUTPUT SUPERVISORY CIRCUIT
1544	5962-8774002	POWER SUPPLY OUTPUT SUPERVISORY CIRCUIT
1596	5962-8857101	MODULATOR/DEMODULATOR, BALANCED
UC1611	5962-9053801	DIODE ARRAY, QUAD SCHOTTKY, 1 AMP
UC1637	5962-8995701	CONTROLLER, SWITCHED-MODE, FOR DC MOTOR DRIVE
TSC170	5962-8963801	CURRENT MODE CONTROLLER, CMOS
TSC171	5962-8963802	CURRENT MODE CONTROLLER, CMOS
UC1901	5962-8944101	FEEDBACK GENERATOR, ISOLATED
UC1903	5962-8869701	SUPPLY AND LINE MONITOR, QUAD
LM194	5962-8777701	TRANSISTOR ARRAY, MATCHED PAIR
LM195	5962-8777801	TRANSISTOR ARRAY, POWER
EL2001	5962-9153402M	BUFFER AMPLIFIER, LOW POWER, 70 MHZ
EL2001A	5962-9153401M	BUFFER AMPLIFIER, LOW POWER, 70 MHZ
EL2003	5962-8962301	LINE DRIVER, VIDEO
EN2015	5962-8977501	TRANSISTOR ARRAY, QUAD PNP
EN2015A	5962-8977502	TRANSISTOR ARRAY, QUAD PNP
EN2016	5962-8977601	TRANSISTOR ARRAY, QUAD NPN
EN2016A	5962-8977602	TRANSISTOR ARRAY, QUAD NPN
EL2020	5962-8962001	CURRENT FEEDBACK AMPLIFIER
EL2030	5962-9081801M	AMPLIFIER, CURRENT FEEDBACK
EL2033	5962-8962302	LINE DRIVER, VIDEO
XR2211M	7705001	PHASE-LOCKED LOOP SYSTEM
AHE2815S-MST	5962-9162503H	DC/DC CONVERTER, 20W, 15V OUTPUT
AHE2815S-SLV	5962-9162502H	DC/DC CONVERTER, 20W, 15V OUTPUT
AHE2815S	5962-9162501H	DC/DC CONVERTER, 20W, 15V OUTPUT
2821	5962-8968401	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE
2823	5962-8968501	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE
2824	5962-8968601	TRANSISTOR ARRAY, DARLINGTON, EIGHT-GATE
SG3081	5962-8866401	TRANSISTOR ARRAY, HIGH-CURRENT NPN
3183A	5962-8759801	TRANSISTOR ARRAY, HIGH-CURRENT NPN
VFC32	13801	VOLT.-TO-FREQUENCY CONVERTER
VFC320	13802	VOLT.-TO-FREQUENCY CONVERTER
TLC32040M	5962-9086301M	INTERFACE CIRCUIT, ANALOG
TLC32044M	5962-9086302M	INTERFACE CIRCUIT, ANALOG, VOICE-BAND
HS3282	5962-8688001	BUS INTERFACE CIRCUIT, ARINC
3523	5962-8978001	SENSING CIRCUIT, OVERVOLTAGE
4213	13904	ANALOG MULTIPLIER, 4-QUADRANT
MC4344	5962-8780301	PHASE/FREQUENCY DETECTOR
AFC-461	5962-9099001H	FILTER, EMI, 4.0A

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS
TABLE II- Potential Standardization Candidates (MIL-STD-1562) (Cont'd)

Generic/ industry number	Military Dwg/ DESC Dwg number	Circuit description
Analog circuit functions 24/ (continued)		
HA-5002	5962-8963601	CURRENT BUFFER, WIDEBAND, HIGH OUTPUT
HA-5033	5962-8963301	BUFFER AMPLIFIER, HIGH-SPEED VIDEO
SL523AC	5962-8980301	AMPLIFIER, LOGARITHMIC, WIDEBAND, 120 MHZ
AD539	5962-8980901	MULTIPLIER/DIVIDER, DUAL-CHANNEL, WIDEBAND
54HCT4046A	5962-8875701	PHASE-LOCKED LOOP WITH VOLTAGE-CONTROLLED OSCILLATOR
54HC4046A	5962-8960901	PHASE-LOCKED LOOP, WITH VOLTAGE-CONTROLLED OSCILLATOR
54LS629	8102101	OSCILLATOR, VOLTAGE-CONTROLLED, DUAL
5521	5962-9087902M	SIGNAL CONDITIONER, LVDT
567	5962-8700301	TONE DECODER/PHASE-LOCKED LOOP
AD590J	5962-8757101	TEMPERATURE TRANSDUCER
AD590M	5962-8757104	TEMPERATURE TRANSDUCER
AD590L	5962-8757103	TEMPERATURE TRANSDUCER
AD590K	5962-8757102	TEMPERATURE TRANSDUCER
604A	5962-8956401	FM IF SYSTEM, HIGH PERFORMANCE, LOW-POWER
AD630	5962-8980701	BALANCED MODULATOR/DEMODULATOR
AD637	5962-8963701	RMS-TO-DC CONVERTER, WIDEBAND
AD7569T	5962-8962902	ANALOG I/O SYSTEM, 8-BIT, ±1/2 LSB FOR DAC AND ADC
AD7569S	5962-8962901	ANALOG I/O SYSTEM, 8-BIT, ± LSB FOR DAC AND ADC
TL7702AM	5962-8868502	SUPPLY VOLTAGE SUPERVISOR
TL7705AM	5962-8868501	SUPPLY VOLTAGE SUPERVISOR
TL7770-12M	5962-9093202M	POWER SUPPLY SUPERVISORS, DUAL
TL7770-15M	5962-9093203M	POWER SUPPLY SUPERVISORS, DUAL
TL7770-5M	5962-9093201M	POWER SUPPLY SUPERVISORS, DUAL
ICL8038	5962-8877201	WAVEFORM GENERATOR/VOLTAGE-CONTROLLED OSCILLATOR, PRECISION
ICL8211	5962-8984201	VOLT. DETECTOR, PROGRAMMABLE
ICL8212	5962-8984202	VOLTAGE DETECTOR, PROGRAMMABLE, HIGH OUTPUT CURRENT
HI8282	5962-8688002	BUS INTERFACE CIRCUIT, ARINC
HSDC-8915	5962-9055402	VOLT. FOLLOWER, BUFFER INPUT, 400 HZ
HSDC-8915A	5962-9055401	VOLT. FOLLOWER, BUFFER INPUT, 400 HZ
Semicustom devices 25/		
(SEE SPEC)60514		GATE ARRAY, <=25000 GATES
(SEE SPEC)60512		GATE ARRAY, <=12000 GATES
(SEE SPEC)60511		GATE ARRAY, <=11000 GATES
(SEE SPEC)60515		GATE ARRAY, <=35000 GATES
(SEE SPEC)60517		GATE ARRAY, <=55000 GATES
(SEE SPEC)70604		LINEAR ARRAY, 4 MACROCELL LOCATIONS
(SEE SPEC)60513		GATE ARRAY, <=15000 GATES
(SEE SPEC)60003		GATE ARRAY, _ 5000 GATES
(SEE SPEC)60002		GATE ARRAY, _ 3500 GATES
(SEE SPEC)60001		GATE ARRAY, _ 1000 GATES
(SEE SPEC)60510		GATE ARRAY, <=10000 GATES
(SEE SPEC)60509		GATE ARRAY, <=9000 GATES
(SEE SPEC)60610		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60601		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60607		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60505		GATE ARRAY, <=5000 GATES
(SEE SPEC)60503		GATE ARRAY, <=3000 GATES
(SEE SPEC)60506		GATE ARRAY, <=6000 GATES
(SEE SPEC)60502		GATE ARRAY, <=2000 GATES
(SEE SPEC)60806		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60801		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60516		GATE ARRAY, <=45000 GATES
(SEE SPEC)60507		GATE ARRAY, <=7000 GATES
(SEE SPEC)60807		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60602		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60803		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60501		GATE ARRAY, <=1000 GATES
(SEE SPEC)60605		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60808		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60809		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60810		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60609		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60617		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60508		GATE ARRAY, <=8000 GATES
(SEE SPEC)60612		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60613		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60614		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60615		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60616		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60802		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60712		GATE ARRAY (_ 12,000 GATES)
(SEE SPEC)60813		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60710		GATE ARRAY (_ 10,000 GATES)
(SEE SPEC)60814		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60709		GATE ARRAY (_ 9,000 GATES)
(SEE SPEC)60717		GATE ARRAY (_ 55,000 GATES)
(SEE SPEC)60707		GATE ARRAY (_ 7,000 GATES)
(SEE SPEC)60715		GATE ARRAY (_ 35,000 GATES)
(SEE SPEC)60817		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60816		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60706		GATE ARRAY (_ 6,000 GATES)
(SEE SPEC)60812		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60716		GATE ARRAY (_ 45,000 GATES)
(SEE SPEC)60714		GATE ARRAY (_ 25,000 GATES)
(SEE SPEC)60713		GATE ARRAY (_ 15,000 GATES)
(SEE SPEC)60815		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60705		GATE ARRAY (_ 5,000 GATES)
(SEE SPEC)60704		GATE ARRAY (_ 4,000 GATES)
(SEE SPEC)60703		GATE ARRAY (_3,000 GATES)
(SEE SPEC)60702		GATE ARRAY (_2,000 GATES)
(SEE SPEC)60701		GATE ARRAY (_1,000 GATES)
(SEE SPEC)60804		GATE ARRAY, SEMICUSTOM
(SEE SPEC)60805		GATE ARRAY, SEMICUSTOM

Devices listed in this table are those that have been selected for electrical characterization and are potential candidates for MIL-M-38510 specification or that have an active Military drawing (DESC).This table also includes devices that have dated military specifications but as yet have no QPL source. These devices shall be considered for use in systems or equipment designs if a QPL source is anticipated.

MILITARY PARTS

TABLE III- Logistics or Continuous Replacement Only (MIL-STD-1562)

Gates 1/

Generic industry number	MIL-M-38510/	Preferred MIL-M-38510/	Circuit Description
14584	5962-8550102		
		5962-8550101	
			HEX INVERTER, SCHMITT TRIGGER
4000A	/05201*		NOR GATE, DUAL 3-INPUT
4000B	/05251		NOR GATE, DUAL 3-INPUT
4001A	/05202*		NOR GATE, QUAD 2-INPUT
4001B	/05252*		NOR GATE, QUAD 2-INPUT
4002B	/05253*		NOR GATE, DUAL 4-INPUT
4002A	/05203*		NOR GATE, DUAL 4-INPUT
4007UB	/05351*		COMPLIMENTARY PAIR, DUAL
4007A	/05301*		COMPLIMENTARY PAIR, DUAL
40106B	/17702	/65702*	HEX INVERTER, SCHMITT TRIGGER
4011A	/05001*		NAND GATE, QUAD 2-INPUT
4011B	/05051*		NAND GATE, QUAD 2-INPUT
4012A	/05002*		NAND GATE, DUAL 4-INPUT
4012B	/05052*		NAND GATE, DUAL 4-INPUT
4019B	/05352*		AND/OR SELECT GATE, QUAD
4019A	/05302*		AND/OR SELECT GATE, QUAD
4023A	/05003*	/05053*	NAND GATE, TRIPLE 3-INPUT
4023B	/05053*	/65002*	NAND GATE, TRIPLE 3-INPUT
4023B	7901301	/65002*	NAND GATE, TRIPLE 3-INPUT
4025A	/05204*		NOR GATE, TRIPLE 3-INPUT
4025B	/05254*		NOR GATE, TRIPLE 3-INPUT
4030B	/05353*		EXCLUSIVE-OR GATE, QUAD 2-INPUT
4030A	/05303		EXCLUSIVE-OR GATE, QUAD 2-INPUT
4048A	/05304		MULTIFUNCTION GATE, 8-INPUT
4048B	/05354		MULTIFUNCTION GATE, 8-INPUT
4069UB	/17401*		HEX INVERTER
4069UB	7702701		HEX INVERTER
4070B	/17203*		EXCLUSIVE-OR GATE, QUAD
4071B	/17101*	/65201*	OR GATE, QUAD 2-INPUT
4072B	/17102*		OR GATE, DUAL 4-INPUT
4072B	7706001		OR GATE, DUAL 4-INPUT
4073B	7705101		AND GATE, TRIPLE 3-INPUT
4075B	/17103*		OR GATE, TRIPLE 3-INPUT
4077B	/17204*		EXCLUSIVE-NOR GATE, QUAD
4078B	7704401		NOR GATE, 8-INPUT
4081B	/17001*	/65203*	AND GATE, QUAD 2-INPUT
4081B	7702401	/65203*	AND GATE, QUAD 2-INPUT
4082B	/17002*		AND GATE, DUAL 4-INPUT
4082B	7705901		AND GATE, DUAL 4-INPUT
4085B	/17201*		AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT
4086B	/17202*		AND-OR-INVERT GATE, 4-WIDE 2-INPUT
4093B	/17701	/65005*	NAND GATE, QUAD 2-INPUT, WITH SCHMITT TRIGGERS
4093B	7704602	/65005*	NAND GATE, QUAD 2-INPUT, WITH SCHMITT TRIGGERS
4093B	7704601	/65005*	NAND GATE, QUAD 2-INPUT, WITH SCHMITT TRIGGERS
46106B	5962-8550101	/65702*	HEX INVERTER, SCHMITT TRIGGER
4973B	/17003*		AND GATE, TRIPLE 3-INPUT
54L00	/02004*	/30001*	NAND GATE, QUAD 2-INPUT
54H00	/02304	/33001*	NAND GATE, QUAD 2-INPUT
54S00	/07001*	/33001*	NAND GATE, QUAD 2-INPUT
5400	/00104*	/33001*	NAND GATE, QUAD 2-INPUT
5401	/00107*	/30002*	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54H01	/02306	/30002*	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54L01	/02006	/30002*	NAND GATE, QUAD 2-INPUT
54S02	/07301*	/33301*	NOR GATE, QUAD 2-INPUT
54L02	/02701*	/30301*	NOR GATE, QUAD 2-INPUT
5402	/00401*	/33301*	NOR GATE, QUAD 2-INPUT
5403	/00109*	/30002*	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54L03	/02006	/30002*	NAND GATE, QUAD 2-INPUT
54S03	/07002*	/30002*	NAND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54L04	/02005*	/30003*	HEX INVERTER
54H04	/02305	/33002*	HEX INVERTER
54S04	/07003*	/33002*	HEX INVERTER
5404	/00105*	/33002*	HEX INVERTER
54S05	/07004*	/30004*	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS
5405	/00108*	/30004*	HEX INVERTER, WITH OPEN-COLLECTOR OUTPUTS
5408	/01601*	/34001*	AND GATE, QUAD 2-INPUT
54S08	/08003*	/34001*	AND GATE, QUAD 2-INPUT
54C08	7703601	/65203*	AND GATE, QUAD 2-INPUT
5409	/01602*		AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54L10	/02003*	/30005*	NAND GATE, TRIPLE 3-INPUT
54S10	/07005*	/33003*	NAND GATE, TRIPLE 3-INPUT
54H10	/02303	/33003*	NAND GATE, TRIPLE 3-INPUT
5410	/00103*	/30005*	NAND GATE, TRIPLE 3-INPUT
54S11	/08001*	/34002*	AND GATE, TRIPLE 3-INPUT
54ACT11000	5962-8769902		NAND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS
54AC11000	5962-8754902		NAND GATE, QUAD 2-INPUT
54AC11002	5962-8761202		NOR GATE, QUAD 2-INPUT
54ACT11004	5962-8973402		HEX INVERTER, TTL-COMPATIBLE INPUTS
54AC11004	5962-8760902		HEX INVERTER
54ACT11008	5962-8954701		AND GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS
54AC11008	5962-8761502		AND GATE, QUAD 2-INPUT
54AC11010	5962-8761002		NAND GATE, TRIPLE 3-INPUT
54AC11011	5962-8761102		AND GATE, TRIPLE 3-INPUT
54AC11020	5962-8761302		NAND GATE, DUAL 4-INPUT
54ACT11032	5962-8973602		OR GATE, QUAD 2-INPUT, WITH TTL-COMPATIBLE INPUTS
5412	/00106*	/30006*	NAND GATE, TRIPLE 3-INPUT, WITH OPEN-COLLECTOR OUTPUTS
5413	/15101	/31301*	NAND GATE, DUAL 4-INPUT
54132	/15103	/31303*	NAND GATE, QUAD 2-INPUT, SCHMITT TRIGGER
54S133	/07009*	/37005*	NAND GATE, 13-INPUT
5414	/15102*	/31302*	HEX INVERTER, SCHMITT TRIGGER
5420	/00102*	/33004*	NAND GATE, DUAL 4-INPUT
54H20	/02302	/30007*	NAND GATE, DUAL 4-INPUT
54S20	/07006*	/33004*	NAND GATE, DUAL 4-INPUT
54L20	/02002	/30007*	NAND GATE, DUAL 4-INPUT
54AS21	5962-8780401	5962-8955401	AND GATE, DUAL 4-INPUT
54H22	/02307	/30008*	NAND GATE, DUAL 4-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54S22	/07007*	/30008*	NAND GATE, DUAL 4-INPUT, WITH OPEN-COLLECTOR OUTPUTS
5423	/00402*		NOR GATE, DUAL 4-INPUT, W/ STROBE
5425	/00403*		NOR GATE, DUAL 4-INPUT, W/ STROBE
5427	/00404*	/30302*	NOR GATE, TRIPLE 3-INPUT
54S30	/07008*	/30009*	NAND GATE, 8-INPUT
54L30	/02001	/30009*	NAND GATE, 8-INPUT
5430	/00101*	/30009*	NAND GATE, 8-INPUT
54H30	/02301	/30009*	NAND GATE, 8-INPUT
5432	/16101*	/33501*	OR GATE, QUAD 2-INPUT
5450	/00501*		AND-OR-INVERT GATE, DUAL 2-WIDE
54S51	/07401*	/30401*	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT
5451	/00502*	/30401*	AND-OR-INVERT GATE, DUAL 2-WIDE
5453	/00503*		AND-OR-INVERT GATE, 4-WIDE 2-INPUT

This table contains devices which are not recommended for new designs because of diminishing sources, obsolete technology, or a preferred device listed in tables I or II is now available which performs the same function.

MILITARY PARTS

TABLE III- Logistics or Continuous Replacement Only (MIL-STD-1562) (Cont'd)

Generic industry number	MIL-M-38510/	Preferred MIL-M-38510/	Circuit Description
Gates 1/ (continued)			
5454	/00504*	/30402*	AND-OR-INVERT GATE, 4-WIDE
54S64	/07402*	/33401*	AND-OR-INVERT GATE, QUAD 4-2-3-2-INPUT
5486	/00701*	/30502*	EXCLUSIVE-OR GATE, QUAD 2-INPUT
54S86	/07501*	/34501*	EXCLUSIVE-OR GATE, QUAD 2-INPUT
54L86	/02601	/30502*	EXCLUSIVE-OR GATE, QUAD 2-INPUT
930	/03001*	/31301*	NAND GATE, DUAL 4-INPUT
MIC935	/03002		HEX INVERTER
936	/03003*	/30003*	HEX INVERTER
MIC940	/03002		HEX INVERTER
946	/03004*	/33001*	NAND GATE, QUAD 2-INPUT
962	/03005*	/30005*	NAND GATE, TRIPLE 3-INPUT
Buffers 2/			
25S240	5962-8672401	/33201*	BUFFER/DRIVER, OCTAL, INVERTING, THREE-STATE OUTPUTS
25S241	5962-8672501	/33202*	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
25S244	5962-8753601	/33203*	BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
4009UB	/05551		BUFFER/DRIVER, HEX, INVERTING
4009A	/05501		BUFFER/DRIVER, HEX, INVERTING
4010B	/05552		BUFFER/DRIVER, HEX, NONINVERTING
4010A	/05502		BUFFER/DRIVER, HEX, NONINVERTING
40107B	/17402		BUFFER/DRIVER, NAND, DUAL 2-INPUT
40109B	/17404		VOLT. LEVEL SHIFTER, LOW TO HIGH
4041A	/05505		TRUE/COMPLIMENT BUFFER, QUAD
4041UB	/05555*		TRUE/COMPLIMENT BUFFER, QUAD
4049A	/05503*	/05553*	HEX INVERTER BUFFER
4049UB	/05553*		HEX INVERTER BUFFER
4049UB	7901401		HEX INVERTER BUFFER
4050B	/05554*		HEX BUFFER, NONINVERTING
4050A	/05504*		HEX BUFFER, NONINVERTING
4502B	/17403*		BUFFER/DRIVER, HEX, INVERTING, STROBED, THREE-STATE OUTPUTS
4520B	7702001		BUFFER/DRIVER, HEX, INVERTING, STROBED, THREE-STATE OUTPUTS
54AS1004A	5962-8872901		BUFFER/DRIVER, HEX, INVERTING
54AS1032A	5962-8873001		OR DRIVER, QUAD 2-INPUT
54ACT11240	5962-8775902		BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54AC11240	5962-8755002		BUFFER/DRIVER, OCTAL, INVERTING, WITH THREE-STATE OUTPUTS
54AC11241	5962-8755102		BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54ACT11241	5962-8984702		BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE
54AC11244	5962-8755202		BUFFER/DRIVER, OCTAL, NONINVERTING, WITH THREE-STATE OUTPUTS
54125	/15301	/32301*	BUFFER/DRIVER, QUAD, NONINVERTING, WITH THREE-STATE OUTPUTS
54126	/15302*	/32002*	BUFFER/DRIVER, QUAD, NONINVERTING, WITH THREE-STATE OUTPUTS
5416	/00802*	/00801*	BUFFER/DRIVER, HEX, INVERTING, WITH OPEN-COLLECTOR OUTPUTS
5417	/00804*	/00803*	BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS
5426	/00805*	/32102*	BUFFER/DRIVER, QUAD 2-INPUT, INVERTING
54365	/16301*	/32201*	BUFFER/DRIVER, HEX, NONINVERTING, WITH THREE-STATE OUTPUTS
54366	/16302	/32202*	BUFFER/DRIVER, HEX, NONINVERTING, WITH THREE-STATE OUTPUTS
54367	/16303*	/32203*	BUFFER/DRIVER, HEX, NONINVERTING, WITH THREE-STATE OUTPUTS
54368	/16304*	/32204*	BUFFER/DRIVER, HEX, INVERTING, WITH THREE-STATE OUTPUTS
5437	/00302*	/38401*	BUFFER/DRIVER, NAND, QUAD 2-INPUT
5438	/00303*	/35202*	BUFFER/DRIVER, NAND, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
5440	/00301*	/30201*	BUFFER/DRIVER, NAND, DUAL 4-INPUT
54H40	/02401	/30201*	BUFFER/DRIVER, NAND, DUAL 4-INPUT
54S40	/07201*	/30201*	BUFFER/DRIVER, NAND, DUAL 4-INPUT
54AS760	5962-8776701		BUFFER/DRIVER, OCTAL, NONINVERTING, WITH OPEN-COLLECTOR OUTPUTS
54AS804	5962-8776601		BUFFER/DRIVER, NAND, HEX 2-INPUT
54AS805	5962-8779401		BUFFER/DRIVER, NOR, HEX 2-INPUT
54AS808	5962-8852201		BUFFER/DRIVER, AND, HEX 2-INPUT
54AS832B	5962-8852301		BUFFER/DRIVER, OR, HEX 2-INPUT
54C906	7705601		BUFFER/DRIVER, HEX, NONINVERTING, WITH OPEN-DRAIN OUTPUTS
Flip-Flops 3/			
26S02	5962-8766201	/31401*	MULTIVIBRATOR, DUAL RETRIGGERABLE, RESETTABLE, MONOSTABLE
2918	5962-8671501	5962-8671901	FLIP-FLOP, D-TYPE, QUAD, WITH STANDARD AND THREE-STATE OUTPUTS
4013A	/05101*	/05151*	FLIP-FLOP, D-TYPE, DUAL
4013B	/05151*		FLIP-FLOP, D-TYPE, DUAL
4013B	7901102		FLIP-FLOP, D-TYPE, DUAL
4013B	7901101		FLIP-FLOP, D-TYPE, DUAL
40174B	/17505		FLIP-FLOP, D-TYPE, HEX
40174B	8202201		FLIP-FLOP, D-TYPE, HEX
4027A	/05102*		FLIP-FLOP, JK, DUAL
4027B	/05152*	/65304*	FLIP-FLOP, JK, DUAL
4042B	8101901		LATCH, D-TYPE, 4-BIT
4043A	/05103		LATCH, RS, 4-BIT, WITH THREE-STATE OUTPUTS
4043B	/05153		LATCH, RS, 4-BIT, WITH THREE-STATE OUTPUTS

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MILITARY PARTS

TABLE III- Logistics or Continuous Replacement Only (MIL-STD-1562) (Cont'd)

Generic industry number	MIL-M-38510/	Preferred MIL-M-38510/	Circuit Description
Flip-Flops 3/ (continued)			
4044B	7702601		LATCH, RS, 4-BIT, WITH THREE-STATE OUTPUTS
4047B	8102001		MULTIVIBRATOR, MONOSTABLE/ ASTABLE
4095B	/17502		FLIP-FLOP, JK, GATED
4096B	/17503		FLIP-FLOP, JK, GATED
4098B	/17504*		MULTIVIBRATOR, DUAL RETRIGGERABLE/RESETTABLE MONOSTABLE
4098B	7705501		MULTIVIBRATOR, DUAL RETRIGGERABLE/RESETTABLE MONOSTABLE
4099B	/17601*		LATCH, 8-BIT ADDRESSABLE
4508B	/17602		LATCH, DUAL 4-BIT
4514B	/17301		LATCH, 4-BIT/DECODER, 4-TO-16-LINE
4514B	7703501		LATCH, 4-BIT/DECODER, 4-TO-16-LINE
4528B	7704501	/17504*	MULTIVIBRATOR, DUAL RETRIGGERABLE/RESETTABLE MONOSTABLE
4528B	7704502		MULTIVIBRATOR, DUAL RETRIGGERABLE/RESETTABLE MONOSTABLE
54H103	/02206		FLIP-FLOP, JK, DUAL
54107	/00203*	/30108*	FLIP-FLOP, JK, DUAL
54ACT11074	5962-8752502		FLIP-FLOP, D-TYPE, DUAL, WITH PRESET AND CLEAR AND TTL-COMPATIBLE INPUTS
54AC11074	5962-8852002		FLIP-FLOP, D-TYPE, DUAL, POSITIVE EDGE-TRIGGERED
54ACT11109	5962-8853402		FLIP-FLOP, JK, DUAL, POSITIVE EDGE-TRIGGERED, WITH TTL-COMPATIBLE INPUTS
54S112	/07102*	/34103*	FLIP-FLOP, JK, DUAL
54S113	/07103*	/30104*	FLIP-FLOP, JK, DUAL, WITH PRESET AND CLEAR
54AC11373	5962-8755502		LATCH, D-TYPE TRANSPARENT, OCTAL, WITH THREE-STATE OUTPUTS
54ACT11373	5962-8755602		LATCH, D-TYPE TRANSPARENT, OCTAL, WITH 3-STATE OUTPUTS AND TTL-COMPATIBLE INPUTS
54ACT11374	5962-8763102		FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE INPUTS
54S114	/07104	/30105*	FLIP-FLOP, JK, DUAL, WITH PRESET
54ACT11534	5962-8965802		FLIP-FLOP, D-TYPE, OCTAL, WITH THREE-STATE OUTPUTS, TTL-COMPATIBLE INPUTS
54116	/01503		LATCH, DUAL 4-BIT
54121	/01201*	/31403*	MULTIVIBRATOR, MONOSTABLE
54122	/01202	/31403*	MULTIVIBRATOR, MONOSTABLE RETRIGGERABLE
54123	/01203*	/31401*	MULTIVIBRATOR, DUAL MONOSTABLE RETRIGGERABLE
54174	/01701*	/34107*	FLIP-FLOP, D-TYPE, HEX
54S174	/07105*	/34107*	FLIP-FLOP, D-TYPE, QUAD
54S175	/07106*	/34104*	FLIP-FLOP, D-TYPE, QUAD
54175	/01702*	/34104*	FLIP-FLOP, D-TYPE, QUAD
54221	5962-8771101	/31402*	MULTIVIBRATOR, DUAL MONOSTABLE
54HC221A	5962-8780502	5962-8780501	MULTIVIBRATOR, DUAL NON-RETRIGGERABLE MONOSTABLE, WITH RESET
54ALS564A	5962-8872801	8400102	FLIP-FLOP, D-TYPE, OCTAL, EDGE-TRIGGERED, WITH THREE-STATE OUTPUTS
5470	/00206*		FLIP-FLOP, JK, SINGLE
54L71	/02101		FLIP-FLOP, RS
54L72	/02102		FLIP-FLOP, JK
5472	/00201*		FLIP-FLOP, JK, SINGLE
54L73	/02103*		FLIP-FLOP, JK, DUAL
5473	/00202*	/30101*	FLIP-FLOP, JK, DUAL
54L74	/02105*	/30102*	FLIP-FLOP, D-TYPE, DUAL
54S74	/07101*	/34101*	FLIP-FLOP, D-TYPE, DUAL
5474	/00205*	/34101*	FLIP-FLOP, D-TYPE, DUAL
5475	/01501	/31601*	LATCH, 4-BIT, BISTABLE
5476	/00204	/30110*	FLIP-FLOP, JK, DUAL
5477	/01502		LATCH, 4-BIT
54L78	/02104		FLIP-FLOP, JK, DUAL
5479	/00207		FLIP-FLOP, D-TYPE, DUAL
54AS823	5962-8952501		FLIP-FLOP, BUS INTERFACE, WITH THREE-STATE OUTPUTS
54ALS876	8401002		FLIP-FLOP, D-TYPE, DUAL 4-BIT, WITH PRESET AND THREE-STATE INVERTED OUTPUTS
54ALS880	8403202		LATCH, D-TYPE TRANSPARENT, DUAL 4-BIT, WITH INVERTED THREE-STATE OUTPUTS
8282	8417901		LATCH, D-TYPE TRANSPARENT, OCTAL, WITH THREE-STATE OUTPUTS
8283	8417902	8417904	LATCH, D-TYPE TRANSPARENT, OCTAL, WITH INVERTED THREE-STATE OUTPUTS
9308	/01503		LATCH, DUAL 4-BIT
9314	/01504		LATCH, 4-BIT, WITH MASTER RESET
9601	/01204*		MULTIVIBRATOR, ONE-SHOT
9602	/01205*	/31401*	MULTIVIBRATOR, DUAL ONE-SHOT
Combinational gates 4/			
1853	7901901		DECODER, N-BIT, 1-OF-8
4008A	/05401		ADDER, 4-BIT FULL
4008B	/05451*		ADDER, 4-BIT FULL
40257B	/17803		DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS
4028A	/05901		DECODER, BCD-TO-DECIMAL
4028B	/05951*		DECODER, BCD-TO-DECIMAL
4515B	/17302		DECODER, 4-TO-16-LINE, WITH LATCHED INPUTS
4515B	7703201		DECODER, 4-TO-16-LINE, WITH LATCHED INPUTS
4532B	/17303		PRIORITY ENCODER, 8-INPUT
4555B	/17304		DECODER/DEMULTIPLEXER, DUAL 1-TO-4-LINE
4555B	7704701		DECODER/DEMULTIPLEXER, DUAL 1-TO-4-LINE
4556B	/17305	/65803*	DECODER/DEMULTIPLEXER, DUAL 1-TO-4-LINE
4556B	7704801	/65803*	DECODER/DEMULTIPLEXER, DUAL 1-TO-4-LINE
4585B	7703702		MAGNITUDE COMPARATOR, 4-BIT
54S138	/07701*	/33701*	DECODER/DEMULTIPLEXER, 3-LINE-TO-8-LINE
54S138	7604101	/33701*	DECODER/DEMULTIPLEXER, 3-LINE-TO-8-LINE
54S139	/07702	/33702*	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE
54S139	7700401	/33702*	DECODER/DEMULTIPLEXER, DUAL 2-TO-4-LINE
54145	/01005		DECODER, BCD-TO-DECIMAL, WITH OPEN-COLLECTOR OUTPUTS
54150	/01401		DATA SEL/MULTIPLEXER, 16-INPUT
54151	/01406*	/33901*	DATA SEL/MULTIPLEXER, 8-INPUT
54S151	/07901*	/33901*	DATA SEL/MULTIPLEXER, 8-INPUT
54S153	/07902*	/33902*	DATA SEL/MULTIPLEXER, DUAL 4-INPUT

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MILITARY

MILITARY PARTS

TABLE III- Logistics or Continuous Replacement Only (MIL-STD-1562) (Cont'd)

Combinational gates 4/ (continued)

Generic industry number	MIL-M-38510/	Preferred MIL-M-38510/	Circuit Description
54153	/01403*	/30902*	DATA SEL/MULTIPLEXER, DUAL 4-INPUT
54S157	/07903*	/33903*	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54157	/01405*	/33903*	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54S158	/07904*	/33904*	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
54180	/01901*	/34901*	PARITY GENERATOR/CHECKER, 8-BIT
54181	/01101	/30801*	ALU/FUNCTION GENERATOR, 4-BIT
54S181	/07801*	/33801*	ALU/FUNCTION GENERATOR, 4-BIT
54182	/01102		LOOK AHEAD CARRY GENERATOR
54S182	/07802*	/33802*	LOOK AHEAD CARRY GENERATOR
54185A	7703001		CONVERTER, BINARY-TO-BCD, 6-BIT
54S251	/07905*	/33905*	DATA SEL/MULTIPLEXER, 8-INPUT, WITH THREE-STATE OUTPUTS
54S251	8002201	/33905*	DATA SEL/MULTIPLEXER, 8-INPUT, WITH THREE-STATE OUTPUTS
54S253	/07908*	/33908*	DATA SEL/MULTIPLEXER, DUAL 4-INPUT, WITH THREE-STATE OUTPUTS
54S257	/07906*	/33906*	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE OUTPUTS
54S258	/07907	/33907*	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE INVERTED OUTPUTS
54S258	8002301	/33907*	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH THREE-STATE INVERTED OUTPUTS
5442	/01001*	/30703*	DECODER, BCD-TO-DECIMAL
5445	/01004	8508401	DECODER, BCD-TO-DECIMAL
5446	/01006		DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS
5447	/01007*	/30704*	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS
5448	/01008		DECODER, BCD-TO-7-SEGMENT
5480	/00604		ADDER, FULL
5482	/00601	/34201*	ADDER, 2-BIT
5483	/00602*	/34201*	ADDER, 4-BIT
54S85	/08201*	/31101*	MAGNITUDE COMPARATOR, 4-BIT
5485	/15001*	/31101*	MAGNITUDE COMPARATOR, 4-BIT
54F85	5962-8606901		MAGNITUDE COMPARATOR, 4-BIT
54C85	7703701	8601301	MAGNITUDE COMPARATOR, 4-BIT
54AS885	5962-8975701		MAGNITUDE COMPARATOR, 8-BIT
54C922	5962-8752101		KEYBOARD ENCODER, 16-KEY, WITH THREE-STATE OUTPUTS
7181	/01101	/30801*	ALU/FUNCTION GENERATOR, 4-BIT
82S62	5962-8754301	/34901*	PARITY GENERATOR/CHECKER, 9-BIT
9304	/00603		ADDER, DUAL
9309	/01404*	/30902*	DATA SEL/MULTIPLEXER, DUAL 4-INPUT
9312	/01402		DATA SEL/MULTIPLEXER, 8-INPUT
9322	/01405*	/33903*	DATA SEL/MULTIPLEXER, QUAD 2-INPUT
9324	/15002		MAGNITUDE COMPARATOR, 5-BIT
9341	/01101	/30801*	ALU/FUNCTION GENERATOR, 4-BIT
9342	/01102		LOOK AHEAD CARRY GENERATOR
9383	/00602*	/34201*	ADDER, 4-BIT

Sequential registers/counters 5/

Generic industry number	MIL-M-38510/	Preferred MIL-M-38510/	Circuit Description
14035B	8101702		SHIFT REGISTER, 4-BIT PARALLEL-IN/PARALLEL-OUT
25S09	5962-8672801	/35002*	SHIFT REGISTER, QUAD 2-INPUT
25S10	5962-8671801	5962-8607501	SHIFT REGISTER, 4-BIT, WITH THREE-STATE OUTPUTS
25LS299	7802402		SHIFT/STORAGE REGISTER, 8-BIT UNIVERSAL
25LS399	5962-8670801	/35002*	REGISTER, QUAD TWO-INPUT, HIGH-SPEED
29C921	5962-8851603		REGISTER, BUS INTERFACE, 10-WIDE, HIGH PERFORMANCE
29C923	5962-8851604		REGISTER, BUS INTERFACE, 9-WIDE, HIGH PERFORMANCE
4006A	/05701*		SHIFT REGISTER, DUAL 4-STAGE/5-STAGE
4006B	/05751		SHIFT REGISTER, DUAL 4 STAGE/5 STAGE
4014B	/05752*		SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT
4014A	/05702*		SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT
4015A	/05703*		SHIFT REGISTER, DUAL 4-STAGE
4015B	/05753*		SHIFT REGISTER, DUAL 4-STAGE
4017B	/05651*		DECADE COUNTER
4017A	/05601*		DECADE COUNTER
4018B	/05652*		COUNTER, DIVIDE-BY-N
4018A	/05602*		COUNTER, DIVIDE-BY-N
4020A	/05603*		BINARY COUNTER, 14-STAGE
4020B	/05653*		BINARY COUNTER, 14-STAGE
4021B	/05754*		SHIFT REGISTER, STATIC
4021A	/05704*	/05754*	SHIFT REGISTER, 8-BIT PARALLEL/SERIAL INPUT
4021B	7901201		SHIFT REGISTER, STATIC
4022A	/05604*		COUNTER, DIVIDE-BY-8
4022B	/05654*		COUNTER, DIVIDE-BY-8
4024A	/05605*		BINARY COUNTER, 7-STAGE
4024B	/05655*		BINARY COUNTER, 7-STAGE
4029B	8101601		BINARY/DECADE COUNTER, 4-BIT PRESETTABLE UP/DOWN
4029B	8101602		COUNTER, 4-BIT SYNCHRONOUS UP/DOWN
4031B	/05755		SHIFT REGISTER, 64-STAGE
4031A	/05705*		SHIFT REGISTER, 64-STAGE STATIC
4034B	/05756		SHIFT REGISTER, 8-BIT UNIVERSAL
4034A	/05706		SHIFT REGISTER, 8-BIT UNIVERSAL
4035B	8101701		SHIFT REGISTER, 4-BIT PARALLEL-IN/PARALLEL-OUT
4040B	7705801	8500401	BINARY COUNTER, 12-BIT
4060A	7703101		BINARY COUNTER/DIVIDER AND OSCILLATOR, 14-STAGE RIPPLE CARRY
4076B	/17501		SHIFT REGISTER, D-TYPE, 4-BIT
4094B	7702501		SHIFT REGISTER/LATCH, 8-STAGE, THREE-STATE OUTPUTS
4520B	7702301		BINARY COUNTER, DUAL UP/DOWN
4557B	7901601		SHIFT REGISTER, 1-TO-64 BIT
54160	/01303*	/31503*	DECADE COUNTER, 4-BIT SYNCHRONOUS BCD
54161	/01306*	/31504*	BINARY COUNTER, 4-BIT SYN CHRONOUS
54162	/01305	/31511*	DECADE COUNTER, 4-BIT SYNCHRONOUS
54163A	/01304*	/34302*	BINARY COUNTER, 4-BIT SYN CHRONOUS
54L164	/02802		REGISTER, 8-BIT
54164	/00903*	/30605*	SHIFT REGISTER, 8-BIT PARALLEL-OUT

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MILITARY PARTS

TABLE III- Logistics or Continuous Replacement Only (MIL-STD-1562) (Cont'd)

Generic industry number	MIL-M-38510/	Preferred MIL-M-38510/	Circuit Description
Sequential registers/counters 5/ (continued)			
54165	/00904	/30608*	SHIFT REGISTER, 8-BIT PARALLEL/ SERIAL INPUT
54192	/01308	/31507*	DECADE COUNTER, 4-BIT SYNCHRONOUS UP/DOWN
54193	/01309*	/31508*	BINARY COUNTER, 4-BIT SYN CHRONOUS UP/DOWN
54L193	/02503	/31508*	COUNTER, 4-BIT SYNCHRONOUS UP/DOWN
54194	/00905*	/30601*	SHIFT REGISTER, 4-BIT BIDIREC TIONAL
54S194	/07601*	/33601*	SHIFT REGISTER, 4-BIT BIDIREC TIONAL
54S194	7604001	/33601*	SHIFT REGISTER, 4-BIT BIDIREC TIONAL
54195	/00906	/30602*	SHIFT REGISTER, 4-BIT BIDIREC TIONAL
54AS867	5962-8966801		BINARY COUNTER, 8-BIT SYN CHRONOUS UP/DOWN, WITH ASYNCHRONOUS CLEAR
54AS869	5962-8952601		BINARY COUNTER, 8-BIT SYN CHRONOUS UP/DOWN
5490	/01307	/31501*	DECADE COUNTER, 4-BIT
54L90	/02501		COUNTER, BINARY, 4-BIT
5492	/01301		COUNTER, DIVIDE-BY-TWELVE
5493	/01302*	/31502*	BINARY COUNTER, 4-BIT
54L93	/02502*	/31502*	BINARY COUNTER, 4-BIT
5495	/00901*	/30603*	SHIFT REGISTER, 4-BIT
54L95	/02801*	/30603*	REGISTER, 4-BIT
5496	/00902	/30604*	SHIFT REGISTER, 5-BIT
76L70	/02805		REGISTER, 8-BIT, SERIAL-IN, PARALLEL-OUT
93L00	/02804		REGISTER, 4-BIT
93S16	5962-8672701	/34301*	BINARY COUNTER, 4-BIT
93L28	/02803		REGISTER, 16-BIT
RAM 6/			
(SEE DWG)	8403605		STATIC RAM, 2K X 8, 200 NS ACCESS TIME
(SEE DWG)	8103902		STATIC RAM, 2K X 8, 120 NS ACCESS TIME
(SEE DWG)	8102407		STATIC RAM, 4K X 1
(SEE DWG)	8103901		STATIC RAM, 2K X 8, 90 NS ACCESS TIME
(SEE DWG)	8103903		STATIC RAM, 2K X 8, 200 NS ACCESS TIME
(SEE DWG)	8103904		STATIC RAM, 2K X 8, 200 NS ACCESS TIME
(SEE DWG)	5962-8858701	/28901*	STATIC RAM, 4K X 1, 45 NS ACCESS TIME
(SEE DWG)	8101501		DYNAMIC RAM, 16K X 1
(SEE DWG)	8103905		STATIC RAM, 2K X 8, 200 NS ACCESS TIME
1823	7901801		STATIC RAM, 128 X 8
2114A	/23804		STATIC RAM, 1K X 4
2114	/23802		STATIC RAM, 1K X 4, WITH THREE-STATE OUTPUTS
2117	/24002		DYNAMIC RAM, 16K X 1, 200 NS ACCESS TIME
2117	/24001		DYNAMIC RAM, 16K X 1, WITH THREE-STATE OUTPUTS
2117	/24005*		DYNAMIC RAM, 16K X 1, 250 NS ACCESS TIME
2117	/24004*		DYNAMIC RAM, 16K X 1, 200 NS ACCESS TIME
2164	/24403*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
2164	/24402*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
2164	/24401*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
4116	/24004*		DYNAMIC RAM, 16K X 1, 200 NS ACCESS TIME
4116	/24003		DYNAMIC RAM, 16K X 1, 200 NS ACCESS TIME
4116	/24005*		DYNAMIC RAM, 16K X 1, 250 NS ACCESS TIME
4116	/24002		DYNAMIC RAM, 16K X 1, 200 NS ACCESS TIME
4116	/24001		DYNAMIC RAM, 16K X 1, WITH THREE-STATE OUTPUTS
45H16	/24002		DYNAMIC RAM, 16K X 1, 200 NS ACCESS TIME
45H16	/24001		DYNAMIC RAM, 16K X 1, WITH THREE-STATE OUTPUTS
45H16	/24005*		DYNAMIC RAM, 16K X 1, 250 NS ACCESS TIME
45H16	/24004*		DYNAMIC RAM, 16K X 1, 200 NS ACCESS TIME
4564	/24402*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
4564	/24401*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
4564	/24403*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
6665	/24403*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
6665	/24401*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
6665	/24402*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
82S10	/23107		STATIC RAM, 1K X 1, WITH OPEN-COLLECTOR OUTPUTS, 45 NS ACCESS TIME
82S11	/23108*		STATIC RAM, 1K X 1, WITH THREE-STATE OUTPUTS, 45 NS ACCESS TIME
82S16	8602301		STATIC RAM, 256 X 1
8264	/24401*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
8264	/24402*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
8264	/24403*		DYNAMIC RAM, 64K X 1, WITH THREE-STATE OUTPUTS
9114D	/23804		STATIC RAM, 1K X 4
9114B	/23802		STATIC RAM, 1K X 4, WITH THREE-STATE OUTPUTS
93412	/23109		STATIC RAM, 256 X 4, WITH OPEN-COLLECTOR OUTPUTS, 60 NS ACCESS TIME
93L412	/23111		STATIC RAM, 256 X 4, LOW-POWER, WITH OPEN-COLLECTOR OUTPUTS, 75 NS ACCESS TIME
93415	/23105		STATIC RAM, 1K X 1, WITH OPEN-COLLECTOR OUTPUTS, 60 NS ACCESS TIME
93L415	/23103*		STATIC RAM, 1K X 1, LOW-POWER, WITH OPEN-COLLECTOR OUTPUTS 70 NS ACCESS TIME
93415	/23101		STATIC RAM, 1K X 1, WITH OPEN-COLLECTOR OUTPUTS, 60 NS ACCESS TIME
93415	/23107		STATIC RAM, 1K X 1, WITH OPEN-COLLECTOR OUTPUTS, 45 NS ACCESS TIME
93419	/23201		STATIC RAM, 64 X 9, WITH OPEN-COLLECTOR OUTPUTS

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MILITARY

MILITARY PARTS
TABLE III- Logistics or Continuous Replacement Only (MIL-STD-1562) (Cont'd)

Generic industry number	MIL-M-38510/	Preferred MIL-M-38510/	Circuit Description
RAM 6/ (continued)			
93L422	/23112*		STATIC RAM, 256 X 4, LOW-POWER, WITH THREE-STATE OUTPUTS, 75 NS ACCESS TIME
93422A	/23114*		STATIC RAM, 256 X 4, WITH THREE-STATE OUTPUTS, 45 NS ACCESS TIME
93L422A	/23115*		STATIC RAM, 256 X 4, LOW-POWER, WITH THREE-STATE OUTPUTS, 55 NS ACCESS TIME
93422	/23110*		STATIC RAM, 256 X 4, WITH THREE-STATE OUTPUTS, 60 NS ACCESS TIME
93425	/23102*		STATIC RAM, 1K X 1, WITH THREE-STATE OUTPUTS, 60 NS ACCESS TIME
93425A	/23108*		STATIC RAM, 1K X 1, WITH THREE-STATE OUTPUTS, 45 NS ACCESS TIME
93L425	/23104*		STATIC RAM, 1K X 1, LOW-POWER, WITH THREE-STATE OUTPUTS, 70 NS ACCESS TIME
93L425A	/23113*		STATIC RAM, 1K X 1, LOW-POWER, WITH THREE-STATE OUTPUTS, 50 NS ACCESS TIME
93425	/23106*		STATIC RAM, 1K X 1, WITH THREE-STATE OUTPUTS, 60 NS ACCESS TIME
ROM/PROM/PAL 7/			
(SEE DWG)	8001205		PROM, UV ERASABLE, 4K X 8, 350 NS ACCESS TIME
(SEE DWG)	5962-8683004	/22809*	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
(SEE DWG)	7902401		PROM, 1K X 8, POWER SWITCHED, 90 NS ACCESS TIME
(SEE DWG)	5962-8683009	5962-8683006	PROM, ELECTR. ERASABLE, 8K X 8, 300 NS ACCESS TIME
(SEE DWG)	8001202		PROM, UV ERASABLE, 4K X 8, 450 NS ACCESS TIME
(SEE DWG)	8202501	8202504	PROM, UV ERASABLE, 16K X 8, 450 NS ACCESS TIME
(SEE DWG)	8202502	8202505	PROM, UV ERASABLE, 16K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8683010	5962-8683007	PROM, ELECTR. ERASABLE, 8K X 8, 350 NS ACCESS TIME
(SEE DWG)	8001206		PROM, UV ERASABLE, 4K X 8, 450 NS ACCESS TIME
(SEE DWG)	5962-8683008	5962-8683006	PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
(SEE DWG)	5962-8683003	/22808*	PROM, ELECTR. ERASABLE, 8K X 8, 300 NS ACCESS TIME
(SEE DWG)	8202508	8202503	PROM, UV ERASABLE, 16K X 8, 200 NS ACCESS TIME
PAL10H8	/50301*		PROG. ARRAY LOGIC, 10-INPUT 8-OUTPUT AND-OR
PAL10L8	/50306*		PROG. ARRAY LOGIC, 10-INPUT 8-OUTPUT AND-OR-INVERT
PAL10H8A	/50310		PROG. ARRAY LOGIC, 16-INPUT 2-OUTPUT AND-OR
PAL10L8A	/50315		PROG. ARRAY LOGIC, 10-INPUT 8-OUTPUT AND-OR-INVERT
PAL10L8A2	/50324		PROG. ARRAY LOGIC, AND-OR-INVERT
PAL10H8A2	/50319		PROG. ARRAY LOGIC, AND-OR
PAL12L6	/50307*		PROG. ARRAY LOGIC, 12-INPUT 6-OUTPUT AND-OR-INVERT
PAL12L6A	/50316		PROG. ARRAY LOGIC, 12-INPUT 6-OUTPUT AND-OR-INVERT
PAL12H6	/50302*		PROG. ARRAY LOGIC, 12-INPUT 6-OUTPUT AND-OR
PAL12H6A	/50311		PROG. ARRAY LOGIC, 12-INPUT 6-OUTPUT AND-OR
PAL12L6A2	/50325		PROG. ARRAY LOGIC, AND-OR-INVERT
PAL12H6A2	/50320		PROG. ARRAY LOGIC, AND-OR
PAL14L4	/50308*		PROG. ARRAY LOGIC, 14-INPUT 4-OUTPUT AND-OR-INVERT
PAL14H4A	/50312		PROG. ARRAY LOGIC, 14-INPUT 4-OUTPUT AND-OR
PAL14H4	/50303*		PROG. ARRAY LOGIC, 14-INPUT 4-OUTPUT AND-OR
PAL14L4A	/50317		PROG. ARRAY LOGIC, 14-INPUT 4-OUTPUT AND-OR-INVERT
PAL14H4A2	/50321		PROG. ARRAY LOGIC, AND-OR
PAL14L4A2	/50326		PROG. ARRAY LOGIC, AND-OR-INVERT
PAL16C1A	/50314		PROG. ARRAY LOGIC, AND-OR/AND-OR-INVERT
PAL16C1	/50305		PROG. ARRAY LOGIC, 16-INPUT 2-OUTPUT AND-OR/AND-OR-INVERT
PAL16C1A2	/50323		PROG. ARRAY LOGIC, AND-OR/AND-OR INVERT
PAL16H2	/50304		PROG. ARRAY LOGIC, 16-INPUT 2-OUTPUT AND-OR
PAL16H2A	/50313		PROG. ARRAY LOGIC, 16-INPUT 2-OUTPUT AND-OR
PAL16L2	/50309		PROG. ARRAY LOGIC, AND-OR-INVERT
PAL16L2A	/50318		PROG. ARRAY LOGIC, 16-INPUT 2 OUTPUT AND-OR-INVERT
PAL16L2A2	/50327		PROG. ARRAY LOGIC, AND-OR-INVERT
PAL16H2A2	/50322		PROG. ARRAY LOGIC, AND-OR
PAL16A4	/50406		PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-CARRY-OR EXCLUSIVE OR
PAL16X4	/50405		PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR EXCLUSIVE OR
PAL16R4	8103604	/50404*	PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR
PAL16X4	8103605		PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-OR EXCLUSIVE OR
PAL16A4	8103606		PROG. ARRAY LOGIC, 16-INPUT 4-OUTPUT REGISTERED AND-CARRY-OR EXCLUSIVE OR
27S180	/20903		PROM, 1K X 8, WITH OPEN-COLLECTOR OUTPUTS, 90 NS ACCESS TIME
27S181	/20904*		PROM, 1K X 8, WITH THREE-STATE OUTPUTS, 90 NS ACCESS TIME
27C256-200	/27602		PROM, UV ERASABLE, 32K X 8
27C256-250	/27601		PROM, UV ERASABLE, 32K X 8, 250 NS ACCESS TIME
27256-30	8411105	/22401*	PROM, UV ERASABLE, 32K X 8, 300 NS ACCESS TIME
27256-35	8411101	/22401*	PROM, UV ERASABLE, 32K X 8, 350 NS ACCESS TIME
27C64-12	8510205		PROM, UV ERASABLE, 8K X 8, 120 NS ACCESS TIME
27C64-15	8510206		PROM, UV ERASABLE, 8K X 8, 150 NS ACCESS TIME
27HC64-155	/27402		PROM, UV ERASABLE, 8K X 8, 55 NS ACCESS TIME
27HC64-170	/27401		PROM, UV ERASABLE, 8K X 8, 70 NS ACCESS TIME

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MILITARY

MILITARY PARTS

TABLE III- Logistics or Continuous Replacement Only (MIL-STD-1562) (Cont'd)

Generic industry number	MIL-M-38510/	Preferred MIL-M-38510/	Circuit Description
ROM/PROM/PAL 7/ (continued)			
27C64-20	8510203		PROM, UV ERASABLE, 8K X 8, 200 NS ACCESS TIME
27C64-25	8510201		PROM, UV ERASABLE, 8K X 8, 250 NS ACCESS TIME
27C64-35	8510202		PROM, UV ERASABLE, 8K X 8, 350 NS ACCESS TIME
X2816A-25	/22704		PROM, ELECTR. ERASABLE, 2K X 8
X2816A-30	/22703*		PROM, ELECTR. ERASABLE, 2K X 8
X2816A-35	/22702*		PROM, ELECTR. ERASABLE, 2K X 8
X2816A-45	/22701*		PROM, ELECTR. ERASABLE, 2K X 8
X2864A-25	/22806		PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
X2864A-25	/22804		PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
X2864A-30	/22803		PROM, ELECTR. ERASABLE, 8K X 8, 300 NS ACCESS TIME
X2864A-35	/22805		PROM, ELECTR. ERASABLE, 8K X 8, 350 NS ACCESS TIME
X2864A-35	/22802		PROM, ELECTR. ERASABLE, 8K X 8, 350 NS ACCESS TIME
X2864A-45	/22801	/22807*	PROM, ELECTR. ERASABLE, 8K X 8, 450 NS ACCESS TIME
29621	/20805		PROM, 512 X 8, WITH THREE-STATE OUTPUTS
29631	/20904*		PROM, 1K X 8, WITH THREE-STATE OUTPUTS, 90 NS ACCESS TIME
53S1680	/21001		PROM, 2K X 8, WITH OPEN-COLLECTOR OUTPUTS
53S440	/20601		PROM, 1K X 4, WITH OPEN-COLLECTOR OUTPUTS
5348-1	/20804		PROM, 512 X 8, WITH OPEN-COLLECTOR OUTPUTS
5349-1	/20805		PROM, 512 X 8, WITH THREE-STATE OUTPUTS
54S472	/20805		PROM, 512 X 8, WITH THREE-STATE OUTPUTS
54S473	/20804		PROM, 512 X 8, WITH OPEN-COLLECTOR OUTPUTS
54S572	/20601		PROM, 1K X 4, WITH OPEN-COLLECTOR OUTPUTS
5564-250	/22811		PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
5564-250	/22810		PROM, ELECTR. ERASABLE, 8K X 8, 250 NS ACCESS TIME
76160	/21001		PROM, 2K X 8, WITH OPEN-COLLECTOR OUTPUTS
7640	/20801		PROM, 512 X 8, WITH OPEN-COLLECTOR OUTPUTS
7642	/20601		PROM, 1K X 4, WITH OPEN-COLLECTOR OUTPUTS
7644	/20603		PROM, 1K X 4
7680	/20903		PROM, 1K X 8, WITH OPEN-COLLECTOR OUTPUTS, 90 NS ACCESS TIME
7681	/20904*		PROM, 1K X 8, WITH THREE-STATE OUTPUTS, 90 NS ACCESS TIME
7684	/20901		PROM, 2K X 4, WITH OPEN-COLLECTOR OUTPUTS, 125 NS ACCESS TIME
77S180	/20903		PROM, 1K X 8, WITH OPEN-COLLECTOR OUTPUTS, 90 NS ACCESS TIME
77S181	/20904*		PROM, 1K X 8, WITH THREE-STATE OUTPUTS, 90 NS ACCESS TIME
77S184	/20901		PROM, 2K X 4, WITH OPEN-COLLECTOR OUTPUTS, 125 NS ACCESS TIME
77S190	/21001		PROM, 2K X 8, WITH OPEN-COLLECTOR OUTPUTS
82S136	/20601		PROM, 1K X 4, WITH OPEN-COLLECTOR OUTPUTS
82S180	/20903		PROM, 1K X 8, WITH OPEN-COLLECTOR OUTPUTS, 90 NS ACCESS TIME
82S181A	/20904*		PROM, 1K X 8, WITH THREE-STATE OUTPUTS, 90 NS ACCESS TIME
82S184	/20901		PROM, 2K X 4, WITH OPEN-COLLECTOR OUTPUTS, 125 NS ACCESS TIME
82S190	/21001		PROM, 2K X 8, WITH OPEN-COLLECTOR OUTPUTS
82S2708	/20905		PROM, 1K X 8, WITH THREE-STATE OUTPUTS, 90 NS ACCESS TIME
93Z450	/20903		PROM, 1K X 8, WITH OPEN-COLLECTOR OUTPUTS, 90 NS ACCESS TIME
93Z451	/20904*		PROM, 1K X 8, WITH THREE-STATE OUTPUTS, 90 NS ACCESS TIME
93452	/20601		PROM, 1K X 4, WITH OPEN-COLLECTOR OUTPUTS
93Z460	/20906		PROM, 1K X 8, WITH OPEN-COLLECTOR OUTPUTS, 90 NS ACCESS TIME
93Z461	/20905		PROM, 1K X 8, WITH THREE-STATE OUTPUTS, 90 NS ACCESS TIME
93Z510	/21003		PROM, 2K X 8, WITH OPEN-COLLECTOR OUTPUTS
Microprocessors and interface peripherals/FIFO 8/			
2901A	7700701		MICROPROCESSOR, 4-BIT
AM2901	7700702		MICROPROCESSOR, 4-BIT
AM2932	8605001		PROGRAM CONTROL UNIT/PUSH-POP STACK
MKB4501-80	/25002*		FIFO MEMORY, 512 X 9
MKB4501-81	/25001*		FIFO MEMORY, 512 X 9
MKB4501-88	/25003*		FIFO MEMORY, 512 X 9 PARALLEL, 80 NS ACCESS TIME
54LS165A	7700701		MICROPROCESSOR, 4-BIT
MKB68000-6	8202101	/54002*	MICROPROCESSOR, 16-BIT FIXED INSTRUCTION
68020-12	5962-8603201		MICROPROCESSOR, 32-BIT
80C451	5962-8972601M		MICROCONTROLLER, I/O EXPANDED
8080A	/42001	/48002*	MICROPROCESSOR, 8-BIT, FIXED INSTRUCTION
8080A	7700201	/48002*	MICROPROCESSOR, 8-BIT, FIXED INSTRUCTION
8085A	7901001	/48001*	MICROPROCESSOR, 8-BIT, N-CHANNEL, FIXED INSTRUCTION
80C88	5962-8601601		MICROPROCESSOR, 8-BIT
8251A	5962-8754802	5962-8754801	COMMUNICATION INTERFACE, PROGRAMMABLE
9914A	5962-8751901		CONTROLLER, GPIB
SBP9989	/46501		MICROPROCESSOR, 16-BIT
Operational amplifiers 9/			
OP-15A	5962-8954201	/13503*	OP AMP, JFET-INPUT
OP-16A	5962-8954301	/11406*	OP AMP, JFET-INPUT
LM2110	/10603		VOLT. FOLLOWER
2700	/12201		OP AMP, LOW-POWER
3018A	/10801		TRANSISTOR ARRAY
CA3130BT	7703301		OP AMP
35074	5962-8996901		OP AMP, QUAD, SINGLE SUPPLY

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MILITARY PARTS

TABLE III- Logistics or Continuous Replacement Only (MIL-STD-1562) (Cont'd)

Generic industry number	MIL-M-38510/	Preferred MIL-M-38510/	Circuit Description
Operational amplifiers 9/ (continued)			
35074A	5962-8996902		OP AMP, QUAD, SINGLE SUPPLY
OP37C	5962-8853703	5962-8853701	OP AMP, LOW-NOISE, PRECISION, HIGH-SPEED
37	5962-8853703	5962-8853701	OP AMP, LOW-NOISE, PRECISION, HIGH-SPEED
OP37B	5962-8853702	5962-8853701	OP AMP, LOW-NOISE, PRECISION, HIGH-SPEED
DG405	5962-8996901		OP AMP, QUAD, SINGLE SUPPLY
LM709	7800701	/13501*	OP AMP, GENERAL PURPOSE
Comparators 10/			
LM106	/10303	/10304*	VOLT. COMPARATOR, HIGH-SPEED
LM106	8003701	/10304*	VOLT. COMPARATOR, HIGH-SPEED
HA-4902	5962-8686001		VOLT. COMPARATOR, QUAD, PRECISION
710	/10301*	/10304*	VOLT. COMPARATOR, DIFFERENTIAL
711	/10302*	/10305*	VOLT. COMPARATOR, DUAL DIFFERENTIAL
Regulators 12/			
LM105	5962-8958801		VOLT. REGULATOR, ADJ., POSITIVE
78MG	/11701		VOLT. REGULATOR, ADJ., POSITIVE
78G	/11702		VOLT. REGULATOR, ADJ., POSITIVE
79G	/11802		VOLT. REGULATOR, ADJ., NEGATIVE
79MG	/11801		VOLT. REGULATOR, ADJ., NEGATIVE
7905A	5962-8874601	/11501*	VOLT. REGULATOR, FIXED, NEGATIVE, -5V, 1.0A
7912A	5962-8874701	/11501*	VOLT. REGULATOR, FIXED, NEGATIVE, -12V, 1.0A
7915A	5962-8874801	/11503*	VOLT. REGULATOR, FIXED, NEGATIVE, -15V, 1.0A
Drivers/receivers 13/			
(SEE DWG)	5962-8987701		TRANSCEIVER, DUAL, RS232
0026	7800802		CLOCK DRIVER, MOS, DUAL
0056	7800801		CLOCK DRIVER, MOS, DUAL, WITH VBB CONNECTION
CT1487D	5962-8757907		BUS TRANSCEIVER, DUAL CHANNEL, LOW-POWER
DS1632	5962-9052201		PERIPHERAL DRIVER, DUAL NAND, CMOS COMPATIBLE OPEN COLLECTOR
1854	7901701		BUS TRANSCEIVER, UART
26S10	5962-8672001		BUS TRANSCEIVER, QUAD
26S12A	5962-8753402		BUS TRANSCEIVER, QUAD
26S12	5962-8753401		BUS TRANSCEIVER, QUAD
26LS32A	5962-7802003M	7802001	LINE RECEIVER, QUAD DIFFERENTIAL
26LS33A	5962-7802004M	7802002	LINE RECEIVER, QUAD DIFFERENTIAL
2946	5962-8672302	5962-8872701	BUS TRANSCEIVER, OCTAL BIDIRECTIONAL, WITH INVERTING THREE-STATE OUTPUTS
54AS640	5962-8955301		BUS TRANSCEIVER, OCTAL, WITH THREE-STATE OUTPUTS
54AS646	5962-8759501		BUS TRANSCEIVER AND REGISTER, OCTAL, WITH THREE-STATE OUTPUTS
54AS651	5962-8875301		BUS TRANSCEIVER/REGISTER, OCTAL INVERTING, WITH THREE-STATE OUTPUTS
54AS652	5962-8868701		BUS TRANSCEIVER/REGISTER, OCTAL NONINVERTING, WITH THREE-STATE OUTPUTS
55189	5962-8688801	5962-8688802	LINE RECEIVER, QUAD
55450	/12901		PERIPHERAL DRIVER, DUAL NAND
55460	/12906		PERIPHERAL DRIVER, DUAL NAND
BUS-63105	5962-8604901		DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)
BUS-63125	5962-8757901	5962-8757902	BUS TRANSCEIVER, DUAL CHANNEL
7831	8004101		LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL, W/OUTPUT DIODE CLAMPING
7832	8004102		LINE DRIVER/RECEIVER, DUAL DIFFERENTIAL
BUS-8553	5962-8604905		DRIVER-RECEIVER, SINGLE CHANNEL (INTERFACES WITH MANCHESTER ENCODER-DECODER)
9622	5962-8752201	/10404*	LINE RECEIVER, DUAL
Timers 14/			
555	/10903		TIMER, PRECISION
D/A converters 16/			
1020	/12705		D/A CONVERTER, 10-BIT
1218	/12707		D/A CONVERTER, 12-BIT
1220	/12706		D/A CONVERTER, 12-BIT
AD558S	5962-8778901	5962-8778902	D/A CONVERTER, 8-BIT, WITH FULL MICROPROCESSOR INTERFACE
7547T	5962-8965702		D/A CONVERTER, 12-BIT DUAL
A/D converters 17/			
574AU	5962-8512703		A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE
574AT	5962-8512704		A/D CONVERTER, 12-BIT, WITH MICROPROCESSOR INTERFACE
Analog switches/multiplexers 18/			
14551B	5962-8775301		ANALOG MULTIPLEXER/ DEMULTIPLEXER, FOUR-POLE, DOUBLE-THROW
DG180A	5962-8767301	/11102*	ANALOG SWITCH, DUAL SPST
4016A	/05801		ANALOG SWITCH, QUAD
4016B	/05851		ANALOG SWITCH, SPST, 4-CHANNEL
4052B	7901501		ANALOG MULTIPLEXER/ DEMULTIPLEXER, DIFFERENTIAL 4-CHANNEL
4053B	8101801		ANALOG MULTIPLEXER/ DEMULTIPLEXER, TRIPLE 2-CHANNEL
4066A	/05802		ANALOG SWITCH, SPST, 4-CHANNEL

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MILITARY PARTS

TABLE III- Logistics or Continuous Replacement Only (MIL-STD-1562) (Cont'd)

Generic industry number	MIL-M-38510/	Preferred MIL-M-38510/	Circuit Description
Analog switches/multiplexers 18 (continued)			
4066B	/05852*	5962-8950701	ANALOG SWITCH, SPST, 4-CHANNEL
4067B	/17801		ANALOG MULTIPLEXER, 16-CHANNEL
4097B	/17802		ANALOG MULTIPLEXER, 8-CHANNEL DIFFERENTIAL
Voltage references 19/			
LM103H-1.8	7702801		VOLT. REFERENCE, 1.8V
LM103H-2.0	7702802		VOLT. REFERENCE, 2.0V
LM103H-2.2	7702803		VOLT. REFERENCE, 2.2V
LM103H-2.4	7702804		VOLT. REFERENCE, 2.4V
LM103H-2.7	7702805		VOLT. REFERENCE, 2.7V
LM103H-3.0	7702806		VOLT. REFERENCE, 3.0V
LM103H-4.7	7702811		VOLT. REFERENCE, 4.7V
LM103H-5.1	7702812		VOLT. REFERENCE, 5.1V
LM103H-5.6	7702813		VOLT. REFERENCE, 5.6V
AD587UQ	5962-8982503		VOLT. REFERENCE, 10V
Sample and hold 20/			
SMP-11A	5962-8954101		SAMPLE AND HOLD AMPLIFIER, LOW-DROOP-RATE
Analog circuit functions 24/			
54LS124	7704101	8102101	OSCILLATOR, VOLTAGE-CONTROLLED, DUAL

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MILITARY PARTS
TABLE IV- Inactive or Suspended Military Activity (MIL-STD-1562)

Generic industry number	MIL-M-38510/	Circuit Description
Gates 1/		
54S09	08004	AND GATE, QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
54S11	08001	AND GATE, TRIPLE 3-INPUT
54S134	07010	NAND GATE, 12-INPUT, TS
54S135	07502	EXCLUSIVE-OR/NOR GATE, QUAD
54S15	08002	AND GATE, TRIPLE 3-INPUT, WITH OPEN-COLLECTOR INPUTS
54H50	04001	AND-OR-INVERT GATE, DUAL 2-WIDE 2-INPUT
54H51	04002	AND-OR-INVERT GATE, DUAL 2-WIDE
54L51	04101	AND-OR-INVERT GATE, DUAL 2-WIDE
54H53	04003	AND-OR-INVERT GATE, 2-2-2-3 INPUT
54L54	04102	AND-OR-INVERT GATE, 4-WIDE 3-2-2-3 INPUT
54H54	04004	AND-OR-INVERT GATE, 2-2-2-3 INPUT
54L55	04103	AND-OR-INVERT GATE, 2-WIDE 4-INPUT
54H55	04005	AND-OR-INVERT GATE, 2-WIDE 4-INPUT
54S65	07403	AND-OR-INVERT GATE, QUAD 4-2-3-2 INPUT
54AC86	75202	EXCLUSIVE-OR GATE, QUAD 2-INPUT
Buffers 2/		
1856	47601	BUS BUFFER/SEPARATOR, 4-BIT
1857	47602	BUS BUFFER/SEPARATOR, 4-BIT
5428	16201	BUFFER/DRIVER, NOR, QUAD 2-INPUT
932	03101	BUFFER, NAND DUAL 4-INPUT
933	03105	EXTENDER, DUAL 4-INPUT
944	03102	BUFFER, NAND DUAL 4-INPUT, WITH OPEN-COLLECTOR OUTPUTS
957	03103	BUFFER, NAND QUAD 2-INPUT
958	03104	BUFFER, NAND QUAD 2-INPUT, WITH OPEN-COLLECTOR OUTPUTS
2918	44201	FLIP-FLOP, D-TYPE, QUAD, WITH STANDARD AND THREE-STATE OUTPUTS
Flip-Flops 3/		
54H101	02205	FLIP-FLOP, JK
54L121	04201	MULTIVIBRATOR, MONOSTABLE
54L122	04202	MULTIVIBRATOR, MONOSTABLE RETRIGGERABLE, W/CLEAR
54H72	02201	FLIP-FLOP, JK
54H73	02202	FLIP-FLOP, JK, DUAL
54S74	07101	FLIP-FLOP, D-TYPE, DUAL
54H74	02203	FLIP-FLOP, D-TYPE, DUAL
54H76	02204	FLIP-FLOP, JK, DUAL
9093	03304	FLIP-FLOP, JK, DUAL
93L08	04502	LATCH, DUAL 4-BIT
93L14	04501	LATCH, 4-BIT, WITH MASTER RESET
9334	16001	LATCH, 8-BIT ADDRESSABLE
945	03301	FLIP-FLOP, RS/JK
948	03302	FLIP-FLOP, RS/JK
950	03303	FLIP-FLOP, BINARY
951	03201	MULTIVIBRATOR, MONOSTABLE
Combinational gates 4/		
1853	47401	DECODER, N-BIT, 1-OF-8
54147	15601	PRIORITY ENCODER, 10-TO-4-LINE
54148	15602	PRIORITY ENCODER, 8-LINE-TO-3-LINE
54154	15201	DECODER, 4-TO-16-LINE
54155	15202	DECODER, DUAL 2-LINE-TO-4-LINE
54156	15203	DECODER, DUAL 2-LINE-TO-4-LINE
54L157	04603	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE
54L42	02901	DECODER, BCD-TO-DECIMAL
54L43	02902	DECODER, EXCESS-3-TO-DECIMAL
5443	01002	DECODER, EXCESS-3-TO-DECIMAL
54L44	02903	DECODER, EXCESS-3-GRAY-TO-DECIMAL
5444	01003	DECODER, EXCESS-3-GRAY-TO-DECIMAL
54L46	02904	DISPLAY DECODER, BCD-TO-7-SEGMENT
54L47	02905	DISPLAY DECODER, BCD-TO-7-SEGMENT
5449	01009	DECODER, BCD-TO-7-SEGMENT, WITH OPEN-COLLECTOR OUTPUTS
76L42A	02906	DECODER, BCD-TO-DECIMAL
8250	15204	DECODER, BINARY-TO-OCTAL
8251	15205	DECODER, 4-TO-10-LINE
8252	15206	DECODER, 4-TO-10-LINE
9301	15206	DECODER, 4-TO-10-LINE
93L01	02907	DECODER, BCD-TO-DECIMAL
93L09	04601	DATA SEL/MULTIPLEXER, 4-TO-1-LINE
9311	15201	DECODER, 4-TO-16-LINE
93L12	04602	DATA SEL/MULTIPLEXER, 8-INPUT, WITH ENABLE
9317	15802	DECODER, BCD-TO-7-SEGMENT
9318	15603	PRIORITY ENCODER, 8-INPUT
93L18	04301	PRIORITY ENCODER, 8-INPUT
9321	15801	DECODER, 1-TO-4-LINE
93L22	04603	DATA SEL/MULTIPLEXER, QUAD 2-INPUT, WITH ENABLE
93L24	04401	COMPARATOR, 5-BIT
Sequential registers/counters 5/		
54170	01801	REGISTER FILE, 4 X 4
54S195	07602	SHIFT REGISTER, 4-BIT BIDIRECTIONAL
9300	15901	SHIFT REGISTER, 4-BIT
93L10	02504	COUNTER, BCD, SYNCHRONOUS
93L16	02505	BINARY COUNTER, 4-BIT SYNCHRONOUS
9328	15902	SHIFT REGISTER, DUAL 8-BIT
9338	15701	MULTIPORT REGISTER, 8-BIT
RAM 6/		
1821	47101	STATIC RAM, 1K X 1
1822	47102	STATIC RAM, 256 X 4
TMS4050	23504	STATIC RAM, 4K X 1
TMS4050	23502	STATIC RAM, 4K X 1
TMS4060	23501	STATIC RAM, 4K X 1
TMS4060	23503	STATIC RAM, 4K X 1
MM5280	23505	STATIC RAM, 4K X 1
MM5280	23506	STATIC RAM, 4K X 1
6508	23901	STATIC RAM, 1K X 4, WITH THREE-STATE OUTPUTS
6518	23902	STATIC RAM, 1K X 4, WITH THREE-STATE OUTPUTS
MCM6604A	23604	STATIC RAM, 4K X 1
MCM6604A	23602	DYNAMIC RAM, 4K X 1, WITH THREE-STATE OUTPUTS
MCM6605	23601	DYNAMIC RAM, 4K X 1, WITH THREE-STATE OUTPUTS
MCM6605	23603	STATIC RAM, 4K X 1
6810	40201	STATIC RAM, 128 X 8
AM91L30CF	23705	STATIC RAM, 1K X 4
AM91L30AF	23706	STATIC RAM, 1K X 4
AM91L30AFM	23708	STATIC RAM, 1K X 4
AM9130AFM	23704	STATIC RAM, 1K X 4
AM9130CFC	23701	STATIC RAM, 1K X 4
AM9130AFC	23702	STATIC RAM, 1K X 4
AM9130CFM	23703	STATIC RAM, 1K X 4
AM91L30CFM	23707	STATIC RAM, 1K X 4
AM91L40AFM	23716	STATIC RAM, 4K X 1
AM91L40CFM	23715	STATIC RAM, 4K X 1
AM91L40AFC	23714	STATIC RAM, 4K X 1
AM91L40CFC	23713	STATIC RAM, 4K X 1
AM9140CFM	23711	STATIC RAM, 4K X 1
AM9140AFC	23710	STATIC RAM, 4K X 1
AM9140CFC	23709	STATIC RAM, 4K X 1

This tables contains devices which are not recommended for new design. It also includes devices which have had QPL status that has been cancelled or expired and there is no indication that a device manufacturer intends to requalify.

MILITARY PARTS

TABLE IV- Inactive or Suspended Military Activity (MIL-STD-1562) (Cont'd)

Generic industry number	MIL-M-38510/	Circuit Description
RAM 6/ (continued)		
AM9140AFM	23712	STATIC RAM, 4K X 1
93410	23001	STATIC RAM, 256 X 1
93411	23003	STATIC RAM, 256 X 1, WITH OPEN-COLLECTOR OUTPUTS
93L420	23004	STATIC RAM, 256 X 1, INV.
93421	23002	STATIC RAM, 256 X 1, WITH THREE-STATE OUTPUTS
93470	23301	STATIC RAM, 4K X 1, WITH OPEN-COLLECTOR OUTPUTS
93471	23302	STATIC RAM, 4K X 1, WITH THREE-STATE OUTPUTS
ROM/PROM/PAL 7/		
1832	47201	STATIC ROM, 512 X 8
2532	22201	PROM, UV ERASABLE, 4K X 8
2708	22001	PROM, UV ERASABLE, 1K X 8
2716	22101	PROM, UV ERASABLE, 2K X 8, 450 NS ACCESS TIME
NMC2816	22601	PROM, ELECTR. ERASABLE, 2K X 8
34000	40301	STATIC ROM, 2K X 8, WITH THREE-STATE OUTPUTS
3516E	40301	STATIC ROM, 2K X 8, WITH THREE-STATE OUTPUTS
HPROM-512	20101	PROM, 64 X 8, WITH OPEN-COLLECTOR OUTPUTS
52116	40301	STATIC ROM, 2K X 8, WITH THREE-STATE OUTPUTS
MCM5303	20101	PROM, 64 X 8, WITH OPEN-COLLECTOR OUTPUTS
MCM5304	20102	PROM, 64 X 8
IM5603A	20201	PROM, 256 X 4
IM5623	20202	PROM, 256 X 4
6654	21901	PROM, UV ERASABLE, 512 X 8
6831B	40301	STATIC ROM, 2K X 8, WITH THREE-STATE OUTPUTS
68A316E	40301	STATIC ROM, 2K X 8, WITH THREE-STATE OUTPUTS
9218	40301	STATIC ROM, 2K X 8, WITH THREE-STATE OUTPUTS
Microprocessors and interface peripherals/FIFO 8/		
MPY008HC2V	50004	MULTIPLIER, 8-BIT PARALLEL
MPY012HC1V	50005	MULTIPLIER, 12-BIT PARALLEL
MPY016HC1V	50006	MULTIPLIER, 16-BIT PARALLEL
TDC1008C1V	50001	MULTIPLIER, 8-BIT PARALLEL
TDC1009C1V	50002	MULTIPLIER/ACCUMULATOR, 12 X 12
TDC1010C1V	50003	MULTIPLIER/ACCUMULATOR, 16 X 16
1802D	47001	MICROPROCESSOR, 8-BIT
1852	47301	I/O PORT, 8-BIT
2901C	44001	MICROPROCESSOR SLICE, 4-BIT
6800	40001	MICROPROCESSOR, 8-BIT
MC6821	40101	PERIPHERAL INTERFACE ADAPTOR
Z80APIO	48401	I/O CONTROLLER, PARALLEL
Z80PIO	48402	I/O CONTROLLER, PARALLEL
Z80ACTC	48301	COUNTER/TIMER UNIT, 4.0 MHZ
Z80CTC	48302	COUNTER/TIMER UNIT, 2.5 MHZ
Z80ADMA	48201	DMA CONTROLLER
Z80DMA	48202	DMA CONTROLLER
Z-80SIO/2	48102	I/O CONTROLLER, DUAL
Z80ASIO/2	48101	CONTROLLER, I/O
8035L	49002	MICROCOMPUTER, 8-BIT
8048	49001	MICROCOMPUTER, 8-BIT
8212	42101	I/O PORT, 8-BIT
8228	42301	CONTROLLER/BUS DRIVER
9900A	46001	MICROPROCESSOR, 16-BIT
Drivers/receivers 13/		
MMH0026	03501	CLOCK DRIVER, MOS, DUAL
2905	44101	BUS TRANSCEIVER, QUAD 2-INPUT
2906	44102	BUS TRANSCEIVER, QUAD 2-INPUT
2907	44103	BUS TRANSCEIVER, QUAD, WITH INTERFACE LOGIC AND 2.0V INPUT RECEIVER THRESHOLD
2915	44104	BUS TRANSCEIVER, QUAD 2-INPUT
2916	44105	BUS TRANSCEIVER, QUAD, WITH THREE-STATE OUTPUTS
2917	44106	BUS TRANSCEIVER, QUAD, WITH THREE-STATE OUTPUTS
8224	42201	CLOCK GENERATOR/DRIVER
Analog switches/multiplexers 18/		
IH5046	10507	ANALOG SWITCH, DPDT, 1-CHANNEL, 75 OHMS

This tables contains devices which are not recommended for new design. It also includes devices which have had QPL status that has been cancelled or expired and there is no indication that a device manufacturer intends to requalify.

MILITARY PARTS
Cross Reference SORTED BY GENERIC INDUSTRY NUMBER

Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	N A T O
LH0002		7801301	1	9 -
0006		5962-8761701	1	13 -
0008		5962-8761702	1	13 -
LH0021		8508801	1	9 -
MMH0026	03501	7800802	4	13 L
ADC00300		5962-8854201	2	17
0032		8001301	1	9 -
LH0033		8001401	1	9 -
LH0041		8508701	1	9 -
0056		7800801	3	13 L
MPY008HC2V	50004		4	8 -
AMP-01A		5962-8863001	2	9
AMP-01B		5962-8863002	2	9
REF01A		5962-8958101	2	19
REF01		5962-8958102	2	19
CMP-01		5962-8987101	2	10
LH0101A		8508901	1	9 -
LH0101		8508902	1	9 -
MPY012HC1V	50005		4	8 -
MPY016HC1V	50006		4	8 -
PA02		5962-9067901H	2	9
REF02A		8551401	2	19 -
DAC02310-112		5962-8851701	2	16
DAC02310-113		5962-8851702	2	16
MOH0268D		5962-8858101	2	13
MOH0272C		5962-8858201	2	13
HTC-0300	14201		2	20 -
CMP04B		5962-8990403	2	10
HOS-050A		5962-8857901	1	9
SW-06B		5962-8966901	2	18
HOS-060SH		5962-8857902	1	9
061	11901	8102301	2	9 -
062	11902	8102302	2	9 -
064	11903	8102303	2	9 -
OP-07A	13501	8203601	1	9 F
OP-07		8203602	2	9 F
071	11904	8102304	1	9 -
072	11905	8102305	1	9 -
074	11906	8102306	1	9 -
DAC-08	11301		1	16 F
DAC-08A	11302		1	16 F
MUX-08A		5962-8771601	2	18
MUX-08B		5962-8771602	2	18
DAC08		5962-8993201	2	16
Z0853004		5962-8752702	2	8 -
Z0853006		5962-8752701	2	8 -
Z0858106		5962-8752602	2	8 -
Z0858110		5962-8752601	2	8 -
BFRP10	63001		2	23
LM10		5962-8760401	2	9 -
REF10A	12403	5962-8947901	2	19
REF10B		5962-8947902	2	19
100301		5962-9152801M	2	1
100302		5962-9152802M	2	1
LT1004-1.2		5962-8859701	2	19 -
LT1004-2.5		5962-8859702	2	19 -
LT1007A		5962-8757801	2	9 -
TDC1008C1V	50001		4	8 -
LT1009		5962-8961001	2	19
TDC1009C1V	50002		4	8 -
LM101A	10103		1	9 F
INA101		5962-8778001	2	9
INA101		5962-8778002	2	9
LT1010		5962-8856201	2	2 -
TDC1010C1V	50003		4	8 -
LT1013A		5962-8876001	2	9
LT1013		5962-8876002	2	9
LT1014A		5962-8967701	2	9
LT1014		5962-8967702	2	9
LT1016		5962-8684501	2	10 -
LT1017		5962-8950401	2	10
LT1018		5962-8950402	2	10
LT1019A-10		5962-9059501	2	19
LT1019-10		5962-9059505	2	19
LT1019A-2.5		5962-9059504	2	19
LT1019-2.5		5962-9059508	2	19
LT1019A-4.5		5962-9059503	2	19
LT1019-4.5		5962-9059507	2	19
LT1019A-5		5962-9059502	2	19
LT1019-5		5962-9059506	2	19
LM102	10601		2	9 -
BT102		5962-8965301	2	16
1020	12705		3	16 L
102110	12409		2	19
LT1021BM-10		5962-8860001	2	19 -
LT1021CM-10		5962-8860002	2	19 -
LT1021DM-10		5962-8860003	2	19 -
10215	12407		2	19
LT1021BM-5		5962-8876201	2	19
LT1021CM-5		5962-8876202	2	19
LT1021DM-5		5962-8876203	2	19
10217	12408		2	19
LT1021BM-7		5962-8864701	2	19
LT1021DM-7		5962-8864702	2	19
LT1022A		5962-8962201	2	9
LT1022		5962-8962202	2	9
LT1028M		5962-8862201	2	9
LT1028AM		5962-8862202	2	9
LM103H-1.8		7702801	3	19 L
LM103H-2.0		7702802	3	19 L
LM103H-2.2		7702803	3	19 L
LM103H-2.4		7702804	3	19 L
LM103H-2.7		7702805	3	19 L
LT1033		5962-8774101	2	12 -
LM103H-3.0		7702806	3	19 -
LM103H-3.3		7702807	2	19 -
LM103H-3.6		7702808	2	19 -
LM103H-3.9		7702809	2	19 -
LM103H-4.3		7702810	2	19 L
LM103H-4.7		7702811	3	19 L
LM103H-5.1		7702812	3	19 L
LM103H-5.6		7702813	3	19 L
LT1037A		5962-8856701	2	9 -
LM104		5962-8760501	2	12 -
10H416		5962-8759001	2	5 -
TDC1046		5962-8778601	2	17 -
TDC1048		5962-8760001	2	17 -
TDC1049		5962-8853201	2	17 -
LM105		5962-8958801	3	12
10501	06001		1	1 F
10H501		5962-8750301	2	1 -
10502	06002		1	1 F
10H502		5962-8755701	2	1 -
10H503		5962-8756501	2	1 -
10504	06201		1	1 F
10H504		5962-8750401	2	1 -
10505	06003		1	1 F
10H505		5962-8750701	2	1 -
10506	06004		1	1 F
10H506		5962-8756401	2	1 -
10507	06005		1	1 F
10H507		5962-8772701	2	1 -
10509	06006		1	1 F
10H509		5962-8985601	2	1
10H513		5962-8755801	2	1 -
10H515		5962-8750101	2	13 -
10H516		5962-8750201	2	13 -
10516		7800901	2	13 -
10H518		5962-8755901	2	1 -
10H519		5962-8772801	2	1 -
LTC1052		5962-8978201	2	9
10H521		5962-8773001	2	1 -
10521		5962-8857701	2	1 -
10524	06301		1	2 F
10H524		5962-8756001	2	2 -
10525	06302		1	2 F
10H525		5962-8750801	2	2 -
10531	06101		1	3 F
10H531		5962-8756101	2	3 -
10535	06104		1	3 F
10H535		5962-8750501	2	3 -
10H536		5962-8700101	2	5 -
LT1054M		5962-8956201	2	24
10H541		5962-8751101	2	5 -
10541		5962-8855701	2	5 -
10545		5962-8856001	2	6
LT1055A		5962-8997601	2	9
LT1055		5962-8997603	2	9
10H558		5962-8756601	2	4 -
10558		5962-8779201	2	4 -
LT1056A		5962-8997602	2	9
LT1056		5962-8997604	2	9
10H560		5962-8756201	2	4 -
10H561		5962-8756701	2	4 -
10H564		5962-8772901	2	4 -
10564		5962-8852701	2	4
10H571		5962-8756801	2	4 -
10H574		5962-8750601	2	4 -
10576	06103		1	3 F
10H576		5962-8751201	2	3
10H586		5962-8756301	2	3 -
10586		5962-8779301	2	3
10H588		5962-8750901	2	2 -
10H589		5962-8751001	2	1
10597	06202		1	1 F
10598		5962-8777301	2	3 -
LM106	10303	8003701	3	10 L
LTC1060A		5962-8864101	2	24 -
10H609		5962-8756901	2	1 -
10H610		5962-8754101	2	1 -
10612		5962-8775001	2	1 -
10631	06102		1	3 F
LTC1064		5962-8948301	2	24
LTC1064-4		5962-9064901	2	24
HSD1066-341H		5962-8949904	2	24
HSD1066-341V		5962-8949905	2	24
HSD1066-381H		5962-8949906	2	24
HS1068		5962-8877601	2	17
LM107		5962-8958901	2	9
SP1078B		5962-8997901	2	17
LM108A	10104		1	9 F
PAL10H8	50301	8103501	3	7 F
PAL10L8	50306	8103506	3	7 F
PAL10H8A	50310	8103510	3	7 -
PAL10L8A	50315	8103514	3	7 -
LT1080		5962-8766601	2	13 -
LT1081		5962-8766602	2	13 -
PAL10H8A2	50319		3	7
PAL10L8A2	50324		3	7
LM109	10701	5962-8777401	1	12 F
LTC1090		5962-8983001	2	8
SMP-11A		5962-8954101	3	20

MILITARY PARTS
Cross Reference SORTED BY GENERIC INDUSTRY NUMBER (Cont'd)

Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	N A T O
LM110	10602	5962-8760601	2 9	-
LM111	10304	5962-8687701	1 10	F
LM113		5962-8671101	2 19	-
LM113-1		5962-8671102	2 19	-
LM113-2		5962-8671103	2 19	-
LM117K	11704		1 12	F
LM117H	11703	7703401	1 12	F
LM117HV		7703402	2 12	-
LT117A		7703405	2 12	-
LT117AHV		7703407	2 12	-
LM118	10107		1 9	F
LM119	10306	8601401	1 10	-
LT119A	10307	8601402	1 10	-
PA12M		5962-9065901H	1 9	
PAL12L10		5962-8680402	2 7	-
1218	12707		3 16	L
1220	12706		3 16	L
SG123		5962-8777501	2 12	-
LM124	11005	7704301	1 9	F
LM124A	11006	7704302	1 9	
12540		5962-8775201	2 23	-
PAL12H6	50302	8103502	3 7	F
PAL12L6	50307	8103507	3 7	F
PAL12H6A	50311	8103511	3 7	-
PAL12L6A	50316	8103515	3 7	-
PAL12H6A2	50320		3 7	
PAL12L6A2	50325		3 7	
LM129A	12402	5962-8992101	2 19	-
LM129B	12406	5962-8992102	2 19	-
LM129C		5962-8992103	2 19	
DG129A		7801401	2 18	L
MOF1305D		5962-8858301	2 13	
LM131A		5962-8760701	2 24	-
1HC34-15	61503		2 6	-
1HC34-15	61506		2 6	-
1HC34-20	61502		2 6	-
1HC34-20	61505		2 6	-
1HC34-25	61501		2 6	-
1HC34-25	61504		2 6	-
LM136A-2.5		8418001	2 19	-
LM136A-5.0		8418002	2 19	-
LM137K	11804		1 12	F
LM137H	11803	7703403	1 12	F
LM137HV		7703404	2 12	-
LT137A		7703406	2 12	-
LT137AHV		7703408	2 12	-
LM138K	11706		1 12	F
LM139A		5962-8773901	2 10	-
LM139	11201	7700801	1 10	F
OP14A		5962-8771401	2 9	-
OP14B		5962-8771402	2 9	-
LM140H-05	10702		1 12	F
LM140K-05	10706		1 12	-
LM140H-12	10703		1 12	F
LM140K-12	10707		1 12	-
LM140H-15	10704		1 12	F
LM140K-15	10708		1 12	-
LM140H-24	10705		2 12	-
LM140K-24	10709		1 12	-
14035B		8101702	3 5	
LM143		7800303	2 9	-
1437		5962-8981301	2 9	
LM144		7800301	2 9	-
PAL14H4	50303	8103503	3 7	F
PAL14L4	50308	8103508	3 7	F
PAL14H4A	50312	8103512	3 7	-
PAL14L4A	50317	8103516	3 7	-
PAL14H4A2	50321		3 7	
PAL14L4A2	50326		3 7	
14490A		5962-8764601	2 23	-
SDC14500-635		5962-9070701H	2 22	
SDC14500-636		5962-9070702H	2 22	
SDC14502-605		5962-9070703H	2 22	
SDC14502-606		5962-9070704H	2 22	
RDC14505-641		5962-8768703	2 22	
SDC14531-631		5962-9082002H	2 22	
SDC14531-690		5962-9082001H	2 22	
14551B		5962-8775301	3 18	-
SDC14560-114		5962-8949901	2 24	
SDC14560-115		5962-8949902	2 24	
SDC14560-605		5962-8949903	2 24	
SDC14561-114		5962-8949801	2 24	
SDC14561-115		5962-8949802	2 24	
SDC14565-114		5962-8990801	2 24	
SDC14565-115		5962-8990802	2 24	
SDC14565-616		5962-8990803	2 24	
SDC14565-618		5962-8990805	2 24	
SDC14566-115		5962-8990804	2 24	
SDC14567-111		5962-9055101	2 22	
SDC14567-112		5962-9055102	2 22	
SDC14567-114		5962-9055103	2 22	
SDC14567-115		5962-9055104	2 22	
SDC14569-111		5962-9055105	2 22	
SDC14569-112		5962-9055106	2 22	
SDC14569-114		5962-9055107	2 22	
SDC14569-115		5962-9055108	2 22	
14584		5962-8550102	3 1	-
LM148	11001		1 9	F
PAL14L8		5962-8680403	2 7	-
CT1487D		5962-8757907	3 13	
LM149	11002		2 9	-
OP-15A		5962-8954201	3 9	
LM150K	11705		1 12	-
LM150		5962-8767501	2 12	-
LM150A		5962-8767502	2 12	-
NHI-1500		5962-8757905	2 13	
NHI-1501		5962-8944702H	2 13	
NHI-1502		5962-8982603	2 13	
1503A		5962-8686102	2 19	-
NHI-1509		5962-8604906	1 13	
NHI-1523		5962-8982604	2 13	
1524B		5962-8764501	2 12	-
1524A		5962-8764502	2 12	-
1524	12601	7802801	1 12	-
1525A	12602	5962-8951101	1 12	-
UC1525A		5962-8951103	2 12	
1526	12603	8551501	1 12	-
1526A		8551502	2 12	
1527A	12604	5962-8951102	1 12	-
UC1527A		5962-8951104	2 12	
NHI-1529		5962-8952203	2 13	
NHI-1531		5962-9082905H	2 13	
1532		5962-8777001	2 12	
1536		7800304	2 9	-
1543		5962-8774001	2 24	-
1544		5962-8774002	2 24	-
1545		5962-8671201	2 9	
NHI-1545		5962-9082906H	2 13	
1549		5962-8684901	2 18	-
LF155	11401		1 9	F
LF155A	11404		1 9	F
UT1553BRTIA	55502		1 23	
UT1553BB		5962-8862801	2 8	-
1553RTMP		5962-8864501	2 8	
UT1553BRTI	55501	5962-8950101	1 8	
UT1553BRTR		5962-8957601	2 23	
UT1553BBCRTM		5962-8957701	2 8	
15530		7802901	2 4	-
FC1553622		5962-8944703H	2 13	
FC1553623		5962-8757906	2 13	
FC155371		5962-9082901H	2 13	
FC155372		5962-9082902H	2 13	
FC1553721		5962-8982605	2 13	
FC155391		5962-8979901	2 13	
FC155392		5962-8979902	2 13	
1558	10108		1 9	F
LF156	11402		1 9	F
LF156A	11405		1 9	F
1568		5962-8876301	2 12	
1568		5962-8876302	2 12	
LF157	11403		1 9	F
LF157A	11406		1 9	F
LM1578		5962-8958601	2 12	
LM158		5962-8771001	2 9	-
LM158A		5962-8771002	2 9	-
CT1589D		5962-8982606	2 13	
CT1589M		5962-9082907H	2 13	
CT1589MI		5962-9082908H	2 13	
1590		5962-8765701	2 9	-
1596		5962-8857101	2 24	
MUX-16A		5962-8771701	2 18	
MUX-16B		5962-8771702	2 18	
OP-16A		5962-8954301	3 9	
WEDSP-16		5962-9070401Q	1 23	
LM160		5962-8767401	2 10	-
PAL16C1A	50314		3 7	
LM161		5962-8757203	2 10	-
PLS161		5962-8850401	2 7	
PAL16C1	50305	8103505	3 7	-
UC1611		5962-9053801	2 24	
PAL16C1A2	50323		3 7	
PAL16H2	50304	8103504	3 7	-
PAL16L2	50309	8103509	3 7	-
PAL16H2A	50313	8103513	3 7	-
PAL16L2A	50318	8103517	3 7	-
PAL16H2A2	50322		3 7	
PAL16L2A2	50327		3 7	
MOR1623K		5962-8858401	2 13	
SG1626		5962-8871601	2 13	
DS1631		5962-8863101	2 13	
DS1632		5962-9052201	3 13	
DS1634		5962-8982101	2 13	
UC1637		5962-8995701	2 24	
PAL16R4B	50604		1 7	F
PAL16R4		8103604	3 7	F
PAL16X4	50405	8103605	3 7	-
PAL16A4	50406	8103606	3 7	-
PAL16R4A	50404	8103610	1 7	F
PAL16R4-10		5962-8515520	2 7	

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PAL16R4-12		5962-8515516	2 7	
PAL16R4-15	50612	5962-8515512	2 7	-
PAL16R4B2	50608		1 7	F
PAL16R4A2	50410	8103614	1 7	F
PAL16R4-20		5962-8515504	2 7	F
C16R4-20		5962-8867812	2 7	
C16R4-20		5962-8871312	2 7	
PAL16R4-30		5962-8515508	2 7	F
C16R4-30		5962-8867808	2 7	
C16R4-30		5962-8871308	2 7	
PAL16R4A-4		8506504	2 7	-
C16R4-40		5962-8867804	2 7	
C16R4-40		5962-8871304	2 7	
PAL16R6B	50603		1 7	F
PAL16L6		5962-8680404	2 7	-
PAL16R6		8103603	2 7	F
PAL16R6A	50403	8103609	1 7	F
PAL16R6-10		5962-8515519	2 7	
PAL16R6-12		5962-8515515	2 7	
PAL16R6-15	50611	5962-8515511	2 7	-
PAL16R6B2	50607		1 7	F
PAL16R6A2	50409	8103613	1 7	F
PAL16R6-20		5962-8515503	2 7	F
C16R6-20		5962-8867811	2 7	
C16R6-20		5962-8871311	2 7	
PAL16R6-30		5962-8515507	2 7	F
C16R6-30		5962-8867807	2 7	
C16R6-30		5962-8871307	2 7	
PAL16R6A-4		8506503	2 7	-
C16R6-40		5962-8867803	2 7	
C16R6-40		5962-8871303	2 7	
PAL16R8B	50602		1 7	F
PAL16L8B	50601		1 7	F
16V8A		5962-8983901	2 7	
16V8A		5962-8983902	2 7	
16V8A		5962-8983903	2 7	
PAL16L8		8103601	2 7	F
PAL16R8		8103602	2 7	F
PAL16L8A	50401	8103607	1 7	F
PAL16R8A	50402	8103608	1 7	F
PAL16L8-10		5962-8515517	2 7	
PAL16R8-10		5962-8515518	2 7	
PAL16L8A-12		5962-8515513	2 7	
PAL16R8A-12		5962-8515514	2 7	
PAL16L8-15	50609	5962-8515509	2 7	-
PAL16R8-15	50610	5962-8515510	2 7	-
PAL16L8B2	50605		1 7	F
PAL16R8B2	50606		1 7	F
PAL16L8A2	50407	8103611	1 7	F
PAL16R8A2	50408	8103612	1 7	F
PAL16L8-20		5962-8515501	2 7	F
PAL16R8-20		5962-8515502	2 7	F
C16L8-20		5962-8867809	2 7	
C16R8-20		5962-8867810	2 7	
C16L8-20		5962-8871309	2 7	
C16R8-20		5962-8871310	2 7	
PAL16L8-30		5962-8515505	2 7	F
PAL16R8-30		5962-8515506	2 7	F
C16L8-30		5962-8867805	2 7	
C16R8-30		5962-8867806	2 7	
C16L8-30		5962-8871305	2 7	
C16R8-30		5962-8871306	2 7	
PAL16L8A-4		8506501	2 7	-
PAL16R8A-4		8506502	2 7	-
C16L8-40		5962-8867801	2 7	
C16R8-40		5962-8867802	2 7	
C16L8-40		5962-8871301	2 7	
C16R8-40		5962-8871302	2 7	

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DS16F95		5962-8961501	2 13	
OP-17A		5962-8770601	2 9	-
OP-17B		5962-8770602	2 9	-
TSC170		5962-8963801	2 24	
UC1706		5962-8961101	2 13	
UC1707		5962-8761901	2 13	-
TSC171		5962-8963802	2 24	
PLS173		5962-8850402	2 7	
BX1750A		5962-8951901	2 8	
BX1750A		5962-8951991	2 8	
1750A-15		5962-8766501	2 8	
1750A-20		5962-8766502	2 8	
1750A-30		5962-8766503	2 8	
UT1760ARTS		5962-8957501	2 23	
PLS179		5962-8850701	2 7	-
DG180A		5962-8767301	3 18	-
1802D	47001		4 8	-
DG181A	11101		1 18	F
DG182A	11102		1 18	F
CT1820		5962-9063601H		
			2 23	
CT1820-2		5962-9063602H		
			2 23	
1821	47101		4 6	-
1822	47102		4 6	-
1823		7901801	3 6	L
1825		5962-8768101	2 12	-
1832	47201		4 7	-
1834		5962-8774201	2 12	-
DG184A	11103		1 18	F
PAL18L4		5962-8680401	2 7	-
HS-1840RH		5962D87538012	18	
1842		5962-8670401	2 12	-
1843		5962-8670402	2 12	-
1844		5962-8670403	2 12	-
1845		5962-8670404	2 12	-
1846	70201	5962-8680601	1 12	-
1847	70202	5962-8680602	2 12	-
DG185A	11104		1 18	F
LM185-1.2		5962-8759401	2 19	-
LM185BX1.2		5962-8759403	2 19	-
LM185BY1.2		5962-8759405	2 19	-
1852	47301		4 8	-
LM185-2.5		5962-8759402	2 19	-
LM185BX2.5		5962-8759404	2 19	-
LM185BY2.5		5962-8759406	2 19	-
1853	47401	7901901	4 4	-
1854		7901701	3 13	L
1856	47601		4 2	-
1857	47602		4 2	-
DG187A	11105		1 18	F
DG188A	11106		1 18	F
PAL18P8A		5962-8752801	2 7	-
PAL18P8B		5962-8752802	2 7	-
PAL18P8AL		5962-8752803	2 7	
PAL18P8L		5962-8752804	2 7	
PAL18P8Q		5962-8752805	2 7	-
DG190A	11107		1 18	F
UC1901		5962-8944101	2 24	
UC1903		5962-8869701	2 24	
DG191A	11108		1 18	F
LM193	11202		1 10	F
HCPL-1931		5962-8957201	1 22	
LM194		5962-8777701	2 24	-
LM195		5962-8777801	2 24	-
198	12501	5962-8760801	1 20	F
LM199A	12401	5962-8856101	2 19	-
LM199	12404	5962-8856102	2 19	-

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LM199A-20	12405		2 19	-
DAC-HKB-2		5962-8952802	1 16	
200	12301		1 18	-
OP-200A		5962-8859301	2 9	-
CLC200A		5962-8991001	2 9	
2001	14101		1 13	F
EL2001A		5962-9153401M		
			2 24	
EL2001		5962-9153402M		
			2 24	
2002	14102		1 13	F
2003	14103		1 13	F
EL2003		5962-8962301	2 24	
2004	14104		1 13	F
2004		5962-8771202	2 6	-
EL2004		5962-8965901	1 24	
2004-25		5962-8771201	2 6	-
2005	14105		1 13	F
TMC2009		5962-9099601M		
			2 4	
PAL20C1		5962-8680406	2 7	-
CLC201A		5962-9083301H		
			2 9	
201	12302	7705301	1 18	F
PAL20RA10		5962-8680301	2 7	-
PAL20L10A		8412905	2 7	-
PAL20X10A		8412907	2 7	-
20G10-30		5962-8863702	2 7	-
20G10-40		5962-8863701	2 7	-
TMC2011V		5962-8944601	2 5	
EN2015		5962-8977501	2 24	
EN2015A		5962-8977502	2 24	
EN2016		5962-8977601	2 24	
EN2016A		5962-8977602	2 24	
2018		5962-8863802	2 7	
2018		5962-8863803	2 7	
2018		5962-8863804	2 7	
PAL20L2		5962-8680405	2 7	-
EL2020		5962-8962001	2 24	
TLE2021		5962-9088101M		
			2 9	
TLE2022		5962-9088102M		
			2 9	
TMC2023V		5962-8971101	2 23	
TMC2023V1		5962-8971102	2 23	
TLE2024		5962-9088103M		
			2 9	
TLE2027M		5962-9089601M		
			2 9	
EL2030		5962-9081801M		
			2 24	
EL2033		5962-8962302	2 24	
TLE2037M		5962-9089602M		
			2 9	
EL2038		5962-9153501M		
			2 9	
PAL20R4B		5962-8767104	2 7	-
PAL20R4A	50504	8412904	1 7	F
PAL20X4A		8412908	2 7	-
EL-2041		5962-8778502	2 9	
PAL20R4-15		5962-8767110	2 7	
PAL20R4A-2		8412912	2 7	F
PAL20R6B		5962-8767103	2 7	-
CLC206A		5962-8985801	2 9	
PAL20R6A	50503	8412903	1 7	F
TLE2061M		5962-9080701M		
			2 9	
PAL20R6-15		5962-8767109	2 7	

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TLE2062M		5962-9080801M	2	9				
PAL20R6A-2		8412911	2	7			F	
TLE2064		5962-9080901M	2	9				
2069		5962-8753201	2	18			-	
OP207		5962-8771501	2	9				
2070		5962-8753202	2	18			-	
PAL20L8B		5962-8767101	2	7			-	
PAL20R8B		5962-8767102	2	7			-	
PLUS20L8		5962-8767105	2	7				
PLUS20R8		5962-8767106	2	7				
20V8		5962-8984001	2	7				
20V8		5962-8984002	2	7				
20V8		5962-8984003	2	7				
PAL20L8A	50501	8412901	1	7			F	
PAL20R8A	50502	8412902	1	7			F	
PAL20X8A		8412906	2	7			-	
PAL20L8-15		5962-8767107	2	7				
PAL20R8-15		5962-8767108	2	7				
PAL20L8A-2		8412909	2	7			F	
PAL20R8A-2		8412910	2	7			F	
TMC208KB5V		5962-8873901	2	4				
TMC208KB5V1		5962-8873902	2	4				
2100SG		5962-8773501	2	8			-	
2100TG		5962-8773502	2	8			-	
2100ASG		5962-8773503	2	8			-	
2100ATG		5962-8773504	2	8			-	
LH2101A	10105		1	9			F	
LH2108A	10106		1	9			F	
LM2110	10603		3	9			L	
LH2111	10305		1	10			F	
TMC2111V		5962-8944602	2	5				
2114	23802		3	6			-	
2114A	23804		3	6			-	
2117	24001		3	6			L	
2117	24002		3	6			L	
2147	23801		1	6			F	
2147	28903		1	6			F	
2147H	23803		1	6			F	
2147H-2	23807		1	6			F	
2147H-3	23805		1	6			F	
2148	28904		1	6			-	
2148H	23806		1	6			F	
OP215A		5962-8853801	2	9				
OP215B		5962-8853802	2	9				
OP215BR		5962-8853803	2	9				
2167-40		8200704	2	6			-	
2167-55		8200703	2	6			-	
2167-70		8200702	2	6			-	
2168-45		5962-8608105	2	6			-	
2168-55		5962-8608101	2	6			-	
2168-70		5962-8608102	2	6			-	
2169-40		5962-8608106	2	6			-	
2169-50		5962-8608103	2	6			-	
2169-70		5962-8608104	2	6			-	
EL2171		5962-8997302	2	9				
CLC220A		5962-8991101	2	9				
C22V10	50703		2	7				
C22V10	50702		2	7			-	
C22V10	50701		2	7			-	
PAL22V10A		5962-8605301	2	7			-	
PAL22V10		5962-8605302	2	7			-	
C22V10		5962-8753901	2	7			-	
C22V10		5962-8753902	2	7			-	
C22V10		5962-8753903	2	7			-	
C22V10		5962-8753904	2	7				
C22V10		5962-8867001	2	7			-	
C22V10		5962-8867002	2	7			-	
C22V10		5962-8867003	2	7			-	
C22V10		5962-8867004	2	7				
C22V10L		5962-8872404	2	7				
C22V10L		5962-8975501	2	7				
C22V10L		5962-8975502	2	7				
C22V10L		5962-8975503	2	7				
22V10		5962-8984101	2	7				
22V10		5962-8984102	2	7				
22V10		5962-8984103	2	7				
22V10		5962-8984104	2	7				
22V10		5962-8984105	2	7				
PAL22V10-12		5962-8605305	2	7				
C22V10-15	50804		2	7				
C22V10-20	50803		2	7				
PAL22V10-20		5962-8605304	2	7				
C22V10-25	50802		2	7				
PAL22VP10-25		5962-8605303	2	7				
C22V10L-25		5962-8872401	2	7				
C22V10-30	50801		2	7				
C22V10L-30		5962-8872402	2	7				
C22V10L-40		5962-8872403	2	7				
XR2211M		7705001	2	24			-	
OP-227A	13504	5962-8688701	2	9			-	
CLC231A		5962-8959401	1	9				
OP-237A		5962-9056801	2	9				
OP-237C		5962-9056802	2	9				
MUX-24A		5962-8771801	2	18				
MUX-24B		5962-8771802	2	18				
HA-2400		5962-8778301	2	9				
ARX2402		5962-8604903	1	13				
ARX2410		5962-9063603H	2	23				
ARX2411		5962-8757903	2	13				
2420		8001601	2	20			-	
2452		5962-8753502	2	22				
2453		5962-8952202	2	13				
2500	12204		1	9			F	
V2500H		5962-9154502M	2	7				
V2500H		5962-9154602M	2	7				
V2500H		5962-9154501M	2	7				
V2500H		5962-9154601M	2	7				
25S09		5962-8672801	3	5			-	
2510	12205		1	9			F	
25S10		5962-8671801	3	5			-	
25LS174	33106		2	3			F	
25LS175	33107		2	3			F	
2520	12206		1	9			F	
CT2521		5962-8952205	2	13				
25S240		5962-8672401	3	2			-	
25S241		5962-8672501	3	2			-	
25S244		5962-8753601	3	2			-	
25LS2513		5962-8754201	2	4			-	
25LS2519		5962-8670201	2	5			-	
25LS2521		5962-8671301	2	4			-	
25LS299		7802402	3	5			-	
2532	22201		4	7				
25LS399		5962-8670801	3	5			-	
HA-2541		5962-8778501	2	9				
HA-2544		5962-8950201	2	9				
OP-260A		5962-9053601	2	9				
2600	12202		1	9			F	
26S02		5962-8766201	3	3			-	
26S10		5962-8672001	3	13			-	
26S12		5962-8753401	3	13			-	
26S12A		5962-8753402	3	13			-	
2620	12203		1	9			F	
26LS29		5962-8767001	2	13				
26LS30		5962-8672101	2	13			-	
26LS31		5962-7802301M	2	13			-	
26F31		5962-7802302M	2	13				
26LS32		5962-7802001M	2	13			-	
26LS32A		5962-7802003M	3	13			-	
26F32		5962-7802005M	2	13				
26LS32B		5962-8761601	2	13			-	
26LS33		5962-7802002M	2	13			-	
26LS33A		5962-7802004M	3	13			-	
26LS34		5962-8759601	2	13			-	
2640		7800302	2	9			-	
TLC2652M		5962-9089501M	2	9				
TLC2652A		5962-9089503M	2	9				
TLC2654M		5962-9089502M	2	9				
2681		5962-8856601	2	13			-	
2681		5962-8856602	2	13			-	
OP-27A	13503		1	9			F	
OP-270A		5962-8872101	2	9				
2700	12201		3	9			L	
2700		8503001	1	19			-	
2700U		8503002	1	19			-	
27LS00		8602001	2	6			-	
27LS00A		8602002	2	6			-	
2701		8503005	1	19				
2701		8503006	1	19				
27LS01		8602003	2	6			-	
27LS01A		8602004	2	6			L	
2702S		8503003	1	19			-	
2702U		8503004	1	19			-	
27S02		8605101	2	6			-	
27S02A		8605102	2	6			-	
27LS02		8605103	2	6			-	
27S02-20		8605107	2	6				
27S03		8605104	2	6			-	
27S03A		8605105	2	6			-	
27LS03		8605106	2	6			-	
27S03-20		8605108	2	6				
27LS03-30		8605109	2	6				
27S07A		7801501	2	6			-	
27S07		7801503	2	6			-	
27LS07		7801504	2	6			-	
27S07-20		7801505	2	6				
27LS07-30		7801506	2	6				
2708	22001		4	7			-	
OP-271A		5962-8872102	2	9				
27S13A		5962-8854101	2	7				
27S13		5962-8854102	2	7				
2716	22101		4	7			-	
27S19		5962-8670301	2	7			-	
27S19A		5962-8670302	2	7			-	
27PS191		5962-8552601	2	7			-	
27PS191A		5962-8552602	2	7			-	
TLC272		5962-8949401	2	9				
TLC27L2		5962-8949403	2	9				

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27256-170	22403	8411104	2 7	-
27C256-200	27602		3 7	-
27256-200	22402	8411103	1 7	F
27C256-250	27601		3 7	-
27256-250	22401	8411102	1 7	F
27256-30		8411105	3 7	-
27256-35		8411101	3 7	-
27S29		5962-8769001	2 7	-
27S29A		5962-8769002	2 7	-
27PS291		5962-8552603	2 7	-
27PS291A		5962-8552604	2 7	-
27S35		5962-8670601	2 7	-
27S35A		5962-8670602	2 7	-
27S37		5962-8670603	2 7	-
27S37A		5962-8670604	2 7	-
TLC274		5962-9060401	2 9	
27S45		5962-8552701	2 7	-
27S45A		5962-8552702	2 7	-
27S47		5962-8552703	2 7	-
27S47A		5962-8552704	2 7	-
27C512		5962-8764801	2 7	-
27C512		5962-8764802	2 7	-
27C512		5962-8764803	2 7	-
27C512		5962-8764804	2 7	
27512-20		5962-8513505	2 7	-
27512-25		5962-8513501	2 7	-
27512-30		5962-8513503	2 7	-
27512-35		5962-8513502	2 7	-
27512-45		5962-8513504	2 7	
27C64-12		8510205	3 7	-
27C64-15		8510206	3 7	-
2764-150		8200506	2 7	-
27HC64-155	27402		3 7	-
27HC64-170	27401		3 7	-
2764A-20		8200505	2 7	-
27C64-20		8510203	3 7	-
27C64-200	27503		2 7	-
2764-200		8200507	2 7	-
2764A-25		8200504	2 7	-
27C64-25		8510201	3 7	-
27C64-250	27502		2 7	-
2764-250		8200502	2 7	-
2764A-35		8200503	2 7	-
27C64-350	27501	8510202	2 7	-
2764-450		8200501	2 7	-
27C64-90		8510204	2 7	-
TLC277		5962-8949402	2 9	
TLC27L7		5962-8949404	2 9	
TLC279		5962-9060402	2 9	
2801	14106		1 13	F
28C010		5962-3826701M	2 7	
28C010		5962-3826702M	2 7	
28C010		5962-3826703M	2 7	
28C010		5962-3826704M	2 7	
28C010		5962-3826705M	2 7	
28C010		5962-3826706M	2 7	
28C010		5962-3826707M	2 7	
2802	14107		1 13	F
2803	14108	5962-8605801	1 13	F
2804	14109		1 13	F
2805	14110		1 13	F
AHE2812S		5962-9158001H	2 22	
AHE2812S-SLV		5962-9158002H	2 22	
AHE2812S-MST		5962-9158003H	2 22	
AHE2815S		5962-9162501H	2 24	
AHE2815S-SLV		5962-9162502H	2 24	
AHE2815S-MST		5962-9162503H	2 24	
NMC2816	22601		4 7	-
X2816A-25	22704		3 7	F
X2816A-30	22703		3 7	F
X2816A-35	22702		3 7	F
X2816A-45	22701		3 7	F
28S166A	21004		1 7	-
2821		5962-8968401	2 24	
2823		5962-8968501	2 24	
2824		5962-8968601	2 24	
28C256-150	26111		2 7	
28C256-200	26110		2 7	
28C256-250	26103		1 7	
28C256-250	26106		2 7	
28C256-250	26109		2 7	
28C256-250	26112		2 7	
28C256-300	26108		2 7	
28C256-350	26107		2 7	
TMC28KUB5V		5962-8873903	2 4	
TMC28KUB5V1		5962-8873904	2 4	
28C64-200	26004		1 7	-
X2864A-25	22804		3 7	-
X2864A-25	22806		3 7	
2864-250	22808		1 7	F
2864H-250	22809		1 7	F
28C64-250	26003		1 7	-
X2864A-30	22803		3 7	F
28C64-300	26002		1 7	-
X2864A-35	22802		3 7	-
X2864A-35	22805		3 7	
2864-350	22807		1 7	F
28C64-350	26001		1 7	-
X2864A-45	22801		3 7	-
28C65-250	26006		1 7	-
28C65-350	26007		1 7	-
OP-290		5962-8978301	2 9	
2901A		7700701	3 8	
AM2901		7700702	3 8	
2901C	44001	8405701	4 8	-
2903A		5962-8867701	2 8	-
2904		8601701	2 8	-
2905	44101		4 13	-
2906	44102		4 13	-
2907	44103	5962-8770701	4 13	-
2909A		8602701	2 8	F
29C10A		5962-8770801	2 8	-
2910		7801701	2 8	F
2910A		7801702	2 8	-
2911A		8602801	2 8	-
29116		5962-8686301	2 8	-
29C116		5962-8861201	2 8	
29C116-1		5962-8861202	2 8	
29C116-2		5962-8861203	2 8	
2914		8602901	2 8	F
2915	44104		4 13	-
2916	44105		4 13	-
2917	44106		4 13	-
2917A		5962-8671401	2 13	-
2918	44201	5962-8671501	4 3	F
29LS18		5962-8671901	2 5	-
2925		5962-8859801	2 8	-
2925A		5962-8859802	2 8	-
2930		5962-8757301	2 8	-
AM2932		8605001	3 8	-
2940		8603001	2 8	-
LM2940-5.0		5962-8958701	2 12	
2942		5962-8680101	2 8	-
2946		5962-8672302	3 13	
2947		5962-8672301	2 13	-
LP2951		5962-3870501M	2 12	
2952A		5962-8777201	2 13	-
29FCT520A		5962-8873601	2 5	
29FCT520B		5962-8873603	2 5	
29FCT521A		5962-8873602	2 5	
29FCT521B		5962-8873604	2 5	
2953A		5962-8777202	2 2	-
2960		5962-8760201	2 8	-
29C60A		5962-8861303	2 8	
2964B		5962-8757401	2 8	-
2965		5962-8670701	2 13	-
29651	20908		1 7	-
2966		5962-8670702	2 13	-
29C660A		5962-8853303	2 8	
29C660B		5962-8853304	2 8	
29C660C		5962-8853305	2 8	
29671	21103		2 7	-
2968A		5962-8869601	2 8	-
2968A		5962-8869602	2 8	-
29705A		8602501	2 6	-
UDS2981		5962-8851901	2 13	-
29818A		5962-8954901	2 5	
AM29C818		5962-9051501	2 5	
29821A		5962-8775501	2 5	-
29C821		5962-8851601	2 5	-
29823A		5962-8775502	2 5	-
29C823		5962-8851602	2 5	-
29825A		5962-8775503	2 5	-
29C827		5962-8766701	2 2	-
29827A		5962-8860501	2 2	-
29C828		5962-8766702	2 2	-
29828A		5962-8860502	2 2	-
UDS2983		5962-8851902	2 13	-
AM29833A		5962-9051301	2 13	
29C841		5962-8760301	2 8	-
29C843		5962-8760302	2 8	-
29C853		5962-8857301	2 13	-
AM29853A		5962-9051302	2 13	
29C855		5962-8857302	2 13	-
AM29855A		5962-9051303	2 13	
29C861		5962-8770401	2 13	-
29861A		5962-8860401	2 13	-
29C863		5962-8770402	2 13	-
29863A		5962-8860402	2 13	-
29921A		5962-8775504	2 5	-
29C921		5962-8851603	3 5	-
29923A		5962-8775505	2 5	-
29C923		5962-8851604	3 5	-
29925A		5962-8775506	2 5	-
29C927		5962-8766703	2 2	-
29C928		5962-8766704	2 2	-
29C941		5962-8760303	2 8	-
29C943		5962-8760304	2 8	-
29C961		5962-8770403	2 13	-
29C963		5962-8770404	2 13	-

MILITARY

MILITARY PARTS
Cross Reference SORTED BY GENERIC INDUSTRY NUMBER (Cont'd)

Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function	Code	NOTA
300	11601		1	18	F
MN3008		5962-8768801	1	16	
MN3009		5962-8768802	1	16	
301	11602		1	18	F
3018A	10801		3	9	L
302	11603		1	18	F
HS3020		5962-8971801	1	16	
303	11604		1	18	F
304	11605		1	18	F
3045	10802		1	13	F
305	11606		1	18	F
306	11607		1	18	F
307	11608		1	18	F
SG3081		5962-8866401	2	24	
CA3130BT		7703301	3	9	-
RM3182		5962-8687901	2	13	-
3183A		5962-8759801	2	24	
VFC32	13801		2	24	-
VFC320	13802		2	24	-
320C10		5962-8763301	2	8	
320CM10		5962-8763303	2	8	
32010		8405301	2	8	-
320C10-25		5962-8763302	2	8	
320CM10-25		5962-8763304	2	8	
320CF10-25		5962-8763305	2	8	
320E15		5962-8763306	2	8	
320C15		5962-8763307	2	8	
320C15-25		5962-8763308	2	8	
320C25		5962-8861901	2	8	
TLC32040M		5962-9086301M	2	24	
TLC32044M		5962-9086302M	2	24	
32C201-10	55201	5962-8859901	2	8	-
3231		5962-8959201	2	13	
3231		5962-8959203	2	13	
3232		5962-8959202	2	13	
3232		5962-8959204	2	13	
HS3282		5962-8688001	2	24	-
MN3290T/B-V		5962-8953103H	2	16	
MN3291T/B-V		5962-8953104H	2	16	
ARX3410		5962-9063604H	2	23	
ARX3411		5962-8757904	2	13	
ARX3416		5962-8944701H	2	13	
ARX3419		5962-8982602	2	13	
ARX3420		5962-9082903H	2	13	
ARX3424		5962-9082904H	2	13	
ARX3464		5962-8959206	2	13	
ARX3467		5962-8959205	2	13	
35074		5962-8996901	3	9	
35074A		5962-8996902	3	9	
3517		5962-8764301	2	12	-
3523		5962-8978001	2	24	
HS362		5962-8956501	2	18	
OP-37A	13505	5962-8853701	2	9	-
OP37B		5962-8853702	3	9	
OP37C		5962-8853703	3	9	
TLC3704M		5962-9096901M	2	10	
TLC372		5962-8765801	2	10	-
TLC374		5962-8765901	2	10	-
MN376		5962-9073001H	2	20	
RGBDAC3808H		5962-8950901	1	16	
TVB382	61601		2	8	-
AD390S		5962-8850901	1	16	
AD390T		5962-8850902	1	16	
39C10B		5962-8770802	2	8	-
39C10C		5962-8770803	2	8	-
AD394S		5962-8851001	1	16	
AD394T		5962-8851002	1	16	
AD395S		5962-8851003	1	16	
AD395T		5962-8851004	1	16	
39C60A		5962-8861301	2	8	
39C60		5962-8861302	2	8	
OP-400A		5962-8777101	2	9	-
400		5962-8997001	2	9	
4000A	05201		3	1	L
4000B	05251		3	1	-
4001A	05202		3	1	L
4001B	05252		3	1	P
4002A	05203		3	1	L
4002B	05253		3	1	P
4006A	05701		3	5	L
4006B	05751		3	5	-
4007A	05301		3	1	L
4007UB	05351		3	1	P
4008A	05401		3	4	L
4008B	05451		3	4	P
4009A	05501		3	2	L
4009UB	05551		3	2	-
CLC401		5962-8997301	2	9	
DG401		5962-9056901	2	18	
4010A	05502		3	2	L
4010B	05552		3	2	-
40106B	17702		3	1	-
40107B	17402		3	2	-
40109B	17404		3	2	-
4011A	05001		3	1	L
4011B	05051		3	1	P
4012A	05002		3	1	L
4012B	05052		3	1	P
4013A	05101		3	3	L
4013B	05151		3	3	P
4013B		7901101	3	3	P
4013B		7901102	3	3	
4014A	05702		3	5	L
4014B	05752		3	5	P
4015A	05703		3	5	L
4015B	05753		3	5	P
4016A	05801		3	18	L
4016B	05851		3	18	F
4017A	05601		3	5	L
4017B	05651		3	5	P
40174B	17505	8202201	3	3	-
4018A	05602		3	5	L
4018B	05652		3	5	F
4019A	05302		3	1	L
4019B	05352		3	1	P
4020A	05603		3	5	L
4020B	05653		3	5	P
4021A	05704		3	5	L
4021B	05754	7901201	3	5	P
4022A	05604		3	5	L
4022B	05654		3	5	P
4023A	05003		3	1	L
4023B	05053	7901301	3	1	P
4024A	05605		3	5	L
4024B	05655		3	5	P
4025A	05204		3	1	L
4025B	05254		3	1	P
40257B	17803		3	4	-
4027A	05102		3	3	L
4027B	05152		3	3	P
4028A	05901		3	4	L
4028B	05951		3	4	P
4029B		8101601	3	5	-
4029B		8101602	3	5	-
DG403		5962-8976301	2	18	
4030A	05303		3	1	L
4030B	05353		3	1	F
4031A	05705		3	5	L
4031B	05755		3	5	-
4034A	05706		3	5	L
4034B	05756		3	5	-
4035B		8101701	3	5	-
CMP404A		5962-8990401	2	10	
CMP404B		5962-8990402	2	10	
4040B		7705801	3	5	-
4041A	05505		3	2	L
4041UB	05555		3	2	F
4042B		8101901	3	3	-
4043A	05103		3	3	L
4043B	05153		3	3	-
4044B		7702601	3	3	-
4047B		8102001	3	3	-
4048A	05304		3	1	L
4048B	05354		3	1	-
4049A	05503		3	2	L
4049UB	05553	7901401	3	2	P
DG405		5962-8996101	2	18	
4050A	05504		3	2	L
4050B	05554		3	2	P
TMS4050	23502		4	6	-
TMS4050	23504		4	6	-
4052B		7901501	3	18	-
4053B		8101801	3	18	-
TMS4060	23503		4	6	-
TMS4060	23501		4	6	-
4060A		7703101	3	5	L
4066A	05802		3	18	L
4066B	05852		3	18	P
4067B	17801		3	18	-
MT4067-10		5962-8767604	2	6	-
MT4067-12		5962-8767601	2	6	-
MT4067-15		5962-8767602	2	6	-
MT4067-20		5962-8767603	2	6	-
4069UB	17401	7702701	3	1	P
4070B	17203		3	1	P
4071B	17101		3	1	P
4072B	17102	7706001	3	1	P
4073B		7705101	3	1	P
4075B	17103		3	1	P
4076B	17501		3	5	-
4077B	17204		3	1	P
4078B		7704401	3	1	-
4081B	17001	7702401	3	1	P
4082B	17002	7705901	3	1	P
4085B	17201		3	1	F
4086B	17202		3	1	F
4093B	17701		3	1	P
4093B		7704601	3	1	P
4093B		7704602	3	1	
4094B		7702501	3	5	-
4095B	17502		3	3	-
4096B	17503		3	3	-
4097B	17802		3	18	-
4098B	17504	7705501	3	3	F
4099B	17601		3	3	P

MILITARY PARTS
Cross Reference SORTED BY GENERIC INDUSTRY NUMBER (Cont'd)

Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
4C1024-150	24904		1 6	-
411024-100	24902		1 6	-
411024-120	24903		1 6	-
411024-80	24901		1 6	-
4116	24003		3 6	L
M41256N-12	24603		1 6	-
M41256P-12	24601		1 6	-
M41256N-15	24604		1 6	-
M41256P-15	24602		1 6	-
4136	11004		1 9	F
4167		8200701	2 6	-
4194		7705401	2 12	-
OP-42	12208	5962-8851301	2 9	-
OP-42B		5962-8851302	2 9	
OP421B		5962-8855901	2 9	
OP421C		5962-8855902	2 9	
MIOP42114		5962-9063801H	2 9	
MIOP42115		5962-9082801H	2 9	
MIOP42116		5962-9072301H	2 9	
4213	13904		2 24	F
4250		7703901	2 9	-
TSC426		5962-8850301	2 13	-
TSC427		5962-8850302	2 13	-
TSC428		5962-8850303	2 13	-
TSC429		5962-8877001	2 13	
REF-43		5962-9060301	2 19	
TL431	14801	8410901	1 12	F
UH-432		5962-8960401	2 13	
UH-432-1		5962-8960402	2 13	
MC4344		5962-8780301	2 24	-
L4C381-45		5962-8995901	2 4	
OP44A	12207		2 9	
TSC4420		5962-8877003	2 13	
TSC4423		5962-8850304	2 13	
TSC4424		5962-8850305	2 13	
TSC4425		5962-8850306	2 13	
TSC4426		5962-8850307	2 13	
TSC4427		5962-8850308	2 13	
TSC4428		5962-8850309	2 13	
TSC4429		5962-8877002	2 13	
SMJ4461		5962-8956001	2 6	
MKB4501-80	25002		3 8	F
MKB4501-81	25001		3 8	F
MKB4501-88	25003		3 8	-
4502B	17403		3 2	P
4508B	17602		3 3	-
4514B	17301	7703501	3 3	-
4515B	17302	7703201	3 4	-
45H16	24004		3 6	
45H16	24005		3 6	
4520B		7702001	3 2	P
4520B		7702301	3 5	-
4528B		7704501	3 3	-
4528B		7704502	3 3	-
4532B	17303		3 4	-
4N55		5962-8767901	1 22	-
4555B	17304	7704701	3 4	-
4556B	17305	7704801	3 4	-
4557B		7901601	3 5	-
BT458		5962-8992801	2 16	
4585B		7703702	3 4	-
AFC-461		5962-9099001H	2 24	
46106B		5962-8550101	3 1	-
OP-470A		5962-8856501	2 9	
OP-471A		5962-8856502	2 9	
4741	11003		1 9	F
OP490A		5962-8967001	2 9	
HA-4902		5962-8686001	3 10	
49C410		5962-8864301	2 8	-
49C410A		5962-8864302	2 8	-
49C460A		5962-8853301	2 8	-
49C460B		5962-8853302	2 8	-
49C460C		5962-8853306	2 8	
4973B	17003		3 1	
OP-50A		5962-8967301	2 9	
OP-50B		5962-8967302	2 9	
HA-5002		5962-8963601	2 24	
OPA501		5962-8762001	2 9	
AH5010		5962-9087801M	2 18	
CS5012		5962-8967901	2 17	
AH5012		5962-9088001M	2 18	
CS5014-S		5962-8967401	2 17	
CS5014-T		5962-8967402	2 17	
CS5016-S		5962-8967601	2 17	
CS5016-T		5962-8967602	2 17	
UH502		5962-8856401	2 13	
UH503		5962-8855101	2 13	
HA-5033		5962-8963301	2 24	
5040	10501	8100601	1 18	F
5041	10502	8100602	1 18	F
5042	10503	8100603	1 18	F
5043	10504		1 18	F
IH5043		8100604	2 18	F
HI5043		8100612	2 18	-
5044	10505	8100605	1 18	F
5045	10506		1 18	
IH5045		8100606	2 18	
HI5045		8100614	2 18	F
IH5046	10507	8100607	2 18	-
HI5046		8100615	2 18	-
HI5046A		8100617	2 18	-
IH5047	10508	8100608	2 18	-
HI5047		8100616	2 18	-
HI5047A		8100618	2 18	-
HI5049		8100620	2 18	-
HI5050		8100621	2 18	-
HI5051		8100622	2 18	-
506	19001		1 18	F
506A	19002	5962-8513101	1 18	-
507	19003		1 18	F
507A	19004	5962-8513102	1 18	-
UH-507		5962-8986701	2 13	
508A	19005		1 18	
508	19007	7705201	1 18	F
UH-508		8550001	2 13	-
509	19008		1 18	F
509A	19006	5962-8513103	1 18	-
HA-5101		5962-8963501	2 9	
HA-5102		5962-8954801	2 9	
CMM5104	24505		2 6	
HA-5104		5962-8850201	2 9	
CMM5114	24506		2 6	
HA-5114		5962-8963401	2 9	
IH5116		5962-8513104	2 18	-
HPROM-512	20101		4 7	-
HA-5127		5962-8962701	2 9	
HA-5137		5962-8962702	2 9	
TL514		5962-8687801	2 10	-
DG5140		8100609	2 18	
HA-5141		5962-8965601	2 9	
DG5141		8100610	2 18	
HA-5142		5962-8965602	2 9	
DG5142		8100611	2 18	
HA-5144		5962-8965603	2 9	
DG5144		8100613	2 18	F
HA-5147		5962-8962703	2 9	
IH5148		8100619	2 18	-
HI-516		5962-8869901	2 18	
51C67	29106		2 6	-
51C98-35	61301		2 6	F
51C98-45	61302		2 6	F
51C98-55	61303		2 6	F
5200	12001	5962-8958301	2 17	
5201	12003		2 17	
HCPL-5201		5962-8876801	1 22	
MN5201		5962-8958303	1 17	
5202	12005	5962-8958305	2 17	
5203	12002	5962-8958302	2 17	
5204	12004	5962-8958304	2 17	
5205	12006	5962-8958306	2 17	
5206	12007	5962-8958307	2 17	
5207	12008		2 17	-
IH5208		5962-8513106	2 18	-
521		5962-8751601	2 10	-
5210	12009	5962-8958401	2 17	
5211	12011	5962-8958403	2 17	
5212	12013	5962-8958405	2 17	
5213	12010	5962-8958402	2 17	
5214	12012	5962-8958404	2 17	
5215	12014	5962-8958406	2 17	
5216	12015		2 17	
IH5216		5962-8513105	2 18	-
MN5216		5962-8958407	1 17	
5217	12016		2 17	-
SL523AC		5962-8980301	2 24	
HCPL-5231		5962-8876901	1 22	
HI524		5962-8761801	2 18	-
AD524S	14301	5962-8853901	2 9	-
MN5245		5962-8959501	1 17	
MN5245A		5962-8959502	1 17	
MN5246		5962-8959503	1 17	
MN5246A		5962-8959504	1 17	
MT5C2565	29312		1 6	
MT5C2565	29314		1 6	
MT5C2565	29315		1 6	
ADG526A		5962-8971001	2 18	
527		5962-8757201	2 10	-
ADG527A		5962-8971002	2 18	
DG528		5962-8768901	2 18	-
MM5280	23505		4 6	-
MM5280	23506		4 6	-
529		5962-8757202	2 10	-
MN5290		5962-8956301H	2 17	
MN5291		5962-8956302H	2 17	
MN5295		5962-8956901H	1 17	
MCM5304	20102		4 7	-
5305-1	20401		1 7	-
5306-1	20402		1 7	-
532S	13903		1 24	F
UH-532		5962-8960403	2 13	
HA-5330		5962-8767701	2 20	
53S3281	21102		1 7	-
534S	13902		1 24	F
534T	13901		1 24	F
5348-1	20804		3 7	-

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Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
5349-1	20805		3	7 -
IH5352		5962-8875001	2	18
53S841	20902		1	7 -
AD539		5962-8980901	2	24
5400	00104		3	1 L
54S00	07001		3	1 L
54F00	33001		1	1 F
54H00	02304		3	1 L
54L00	02004		3	1 L
54LS00	30001		1	1 P
54HCT00		5962-8683101	2	1 -
54ALS00A	37001	5962-8683301	1	1 F
54AC00	75001	5962-8754901	1	1 -
54ACT00		5962-8769901	2	1
54HC00	65001	8403701	1	1 P
5401	00107		3	1 L
54H01	02306		3	1 L
HCPL-5401		5962-8957001	1	22
5402	00401		3	1 L
54F02	33301		1	1 F
54S02	07301		3	1 L
54LS02	30301		1	1 P
54L02	02701		3	1 L
54ALS02	37301	5962-8684401	1	1 F
54AC02	75101	5962-8761201	1	1
54HCT02		5962-8975101	2	1
54HC02	65101	8404101	1	1 P
54S03	07002		3	1 L
5403	00109		3	1 L
54L03	02006		3	1 L
54LS03	30002		1	1 P
54HC03		5962-8764701	2	1 F
5404	00105		3	1 L
54F04	33002		1	1 F
54H04	02305		3	1 L
54LS04	30003		1	1 P
54S04	07003		3	1 L
54L04	02005		3	1 L
54ALS04B	37006	5962-8684301	1	1 F
54AC04	75701	5962-8760901	1	1 -
54ACT04		5962-8973401	2	1
54HCT04	65751	5962-8974701	1	1
54HC04	65701	8409801	1	1 P
54HCU04		8601001	2	1 -
54S05	07004		3	1 L
5405	00108		3	1 L
54LS05	30004		1	1 P
54ALS05A		5962-8854001	2	1 -
54HC05		5962-8871801	2	1
5406	00801		1	2 F
5407	00803		1	2 F
54F074	34101		1	3 F
5408	01601		3	1 L
54S08	08003		3	1 L
54F08	34001		1	1 F
54LS08	31004		1	1 P
54ALS08	37401	5962-8684201	1	1 F
54HCT08		5962-8688301	2	1 -
54AC08	75203	5962-8761501	1	1 -
54C08		7703601	3	1 -
54HC08	65203	8404701	1	1 P
5409	01602		3	1 L
54S09	08004		4	1 -
54HC09		5962-8862001	2	1 F
54F09		5962-8872301	2	1
54LS09	31005	8001901	1	1 P
54ALS09		8414201	2	1 -
OPA541		5962-8870101	2	9
5410	00103		3	1 L
54L10	02003		3	1 L
54F10	33003		1	1 F
54H10	02303		3	1 L
54LS10	30005		1	1 P
54S10	07005		3	1 L
54ALS10	37002	5962-8686501	1	1 F
54AC10	75002	5962-8761001	1	1 -
54HCT10		5962-8984301	2	1
54HC10	65002	8403801	1	1 P
54ALS1000A		8405901	2	2 F
54ALS1002	38402		1	2 F
54ALS1003	38403		2	2 -
54AS1004A		5962-8872901	3	2
54ALS1004	38409	8406101	2	2 -
54ALS1005	38410		2	2 -
54ALS1008A	38404	8409701	2	2 -
54H101	02205		4	3 L
54ALS1010A	38405	8406001	2	2 -
54ALS1011	38406		2	2 -
54ALS1020	38407		1	2 F
54H103	02206		3	3 L
54ALS1032	38408		2	2 -
54AS1032A		5962-8873001	3	2
54AS1034A		5962-8873101	2	2
54ALS1034	38411	8403101	1	2 F
54ALS1035	38412	5962-8874201	2	2 -
54LS107	30108		1	3 F
54107	00203		3	3 L
54HC107	65303	5962-8515401	2	3 F
54HCT107		5962-9084901M	2	3
54F109	34102		1	3 F
54LS109	30109		1	3 F
54ACT109		5962-8853401	2	3 -
54AC109	75304	5962-8955101	2	3
54HCT109		5962-9070101M	2	3
54ALS109A	37102	8400001	1	3 F
54HC109	65304	8415001	1	3 P
54S11	08001		3	1 L
54F11	34002		1	1 F
54LS11	31001		1	1 P
54ALS11	37402	5962-8684101	1	1 F
54AC11	75204	5962-8761101	1	1 -
54HCT11		5962-8970901	2	1
54HC11	65204	8404801	1	1 P
54AC1100	75021	5962-8754902	2	1 -
54ACT11000		5962-8769902	3	1
54AC11002		5962-8761202	3	1
54AC11004		5962-8760902	3	1
54ACT11004		5962-8973402	3	1
54AC11008		5962-8761502	3	1
54ACT11008		5962-8954701	3	1
54AC11010	75022	5962-8761002	2	1
54AC11011		5962-8761102	3	1
54AC11020	75023	5962-8761302	2	1 -
54AC11030	75024		2	1 -
54ACT11032		5962-8973602	3	1
54ACT11074		5962-8752502	3	3 -
54AC11074		5962-8852002	3	3 -
54ACT11109		5962-8853402	3	3 -
54AC112	75305		2	3
54F112	34103		1	3 F
54LS112	30103		1	3 F
54S112	07102		3	3 L
54HCT112		5962-8970201	2	3
54ALS112A	37103	8400002	1	3 F
54HC112	65305	8408801	1	3 P
54AC11240		5962-8755002	3	2 -
54ACT11240		5962-8775902	3	2 -
54AC11241		5962-8755102	3	2
54ACT11241		5962-8984702	3	2
54AC11244		5962-8755202	3	2 -
54ACT11244		5962-8776002	2	2
54S113	07103		3	3 L
54LS113	30104		1	3 P
54HC113		5962-8969501	2	3
54ACT11353		5962-9090601M	2	4
54AC11373		5962-8755502	3	3
54ACT11373		5962-8755602	3	3
54ACT11374		5962-8763102	3	3
54LS114	30105		1	3 F
54S114	07104		3	3 L
54ACT11520		5962-8979303	2	4
54AC11520		5962-9091602M	2	10
54ACT11521		5962-8979304	2	4
54ACT11534		5962-8965802	3	3
5412	00106		3	1 L
54LS12	30006		1	1 P
54121	01201		3	3 L
54L121	04201		4	3 -
CS5412-TC1		5962-9095701M	2	17
CS5412-SC1		5962-9095702M	2	17
54122	01202		3	3 L
54L122	04202		4	3 -
54LS122	31403	7600301	1	3 P
54123	01203		3	3 L
54HC123		5962-8684701	2	3 F
54HC123A		5962-8684702	2	3
54HCT123		5962-8970001	2	3
54LS123	31401	7603901	1	3 P
54LS124		7704101	3	24 -
54ALS1244A		5962-8873801	2	2
54ALS1245A		5962-8873701	2	13
54LS125A	32301		1	2 P
54125	15301		3	2 L
54HC125		5962-8772101	2	2 F
54BCT125		5962-9093701M	2	2
54LS126	32302		1	2 P
54126	15302		3	2 L
54HC126		5962-8684801	2	2 F
54HCT126		5962-9065101M	2	2
54BCT126		5962-9088901M	2	2
5413	15101		3	1 L
54LS13	31301		1	1 P
54132	15103		3	1 L
54HC132	65005		1	1 P
54HCT132		5962-8984501	2	1
54LS132	31303	7600401	1	1 P
54S133	07009		3	1 L
54HC133		5962-8772301	2	1 F
54ALS133	37005	5962-8859001	1	1 F
54S134	07010		4	1 -
54S135	07502		4	1 L
54F138	33701		1	4 F
54ALS138	37701	5962-8686601	1	4 F
54ACT138		5962-8755401	2	4 -
54AC138	75802	5962-8762201	1	4
54FCT138		5962-8765401	2	4 -

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Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	N A T O
54FCT138A		5962-8765402	2	4 -
54LS138	30701	7600501	1	4 P
54S138	07701	7604101	3	4 L
54HC138	65802	8406201	1	4 P
54HCT138	65852	8550401	1	4 F
54F139	33702		1	4 F
54HCT139	65853		2	4 -
54ACT139		5962-8755301	2	4 -
54AC139	75803	5962-8762301	2	4 -
54ALS139		5962-8768301	2	4 -
54FCT139		5962-8950801	2	4
54FCT139A		5962-8950802	2	4
54LS139	30702	7600701	1	4 P
54S139	07702	7700401	3	4 L
54HC139	65803	8409201	1	4 P
5414	15102		3	1 L
54LS14	31302		1	1 P
54HCT14	65752	5962-8689001	2	1 -
54AC14	75702	5962-8762401	1	1 -
54F14		5962-8875201	2	1
54HC14	65702	8409101	1	1 P
54S140	08101		1	13 F
54145	01005		3	4 L
54LS145		8508401	2	4 F
54147	15601		4	4 -
54HC147		8406401	2	4 -
54148	15602		4	4 -
54F148		5962-8607001	2	4 F
54LS148	36001	7802701	1	4 P
54LS15	31002		1	1 F
54S15	08002		4	1 -
54150	01401		3	4 L
54151	01406		3	4 L
54F151A	33901		1	4 F
54S151	07901		3	4 L
54AC151	76201	5962-8769101	1	4 -
54ACT151		5962-8875601	2	4
54HCT151		5962-9065201M	2	4
54LS151	30901	7601001	1	4 P
54HC151B	66201	8412801	2	4 F
54ALS151		8414101	2	4 -
54153	01403		3	4 L
54S153	07902		3	4 L
54F153	33902		1	4 F
54AC153	76202	5962-8762501	1	4 -
54ACT153		5962-8769801	2	4
54HCT153		5962-9050501M	2	4
54LS153	30902	7601101	1	4 P
54HC153B	66202	8409301	2	4 F
54ALS153		8413401	2	4 -
54154	15201		4	4 -
54HCT154		5962-8670101	2	4 -
54HC154	65804	5962-8682201	2	4 -
54LS154		8301701	2	4 -
54155	15202		4	4 -
54LS155	32601		1	4 P
54156	15203		4	4 -
54LS156	32602		1	4 P
54157	01405		3	4 L
54S157	07903		3	4 L
54F157A	33903		1	4 F
54HC157B	66203	5962-8606101	2	4 F
54ALS157		5962-8686901	2	4 -
54AC157	76203	5962-8953901	1	4
54ACT157		5962-8968801	2	4
54HCT157		5962-9070201M	2	4
54LS157	30903	7600201	1	4 P
54S158	07904		3	4 L
54F158A	33904		1	4 F
54HC158B	66204	5962-8682301	1	4 F
54ALS158		5962-8862501	2	4 -
54ACT158		5962-8875501	2	4
54AC158	76204	5962-8972901	2	4
54HCT158		5962-9070301M	2	4
54LS158	30904	7603301	1	4 P
5416	00802		3	2 L
54160	01303		3	5 L
54ALS160	38101		2	5 -
54F160A	34401		1	5 F
54HC160	66301	5962-8682401	2	5 F
54HCT160		5962-9070501M	2	5
54LS160A	31503	7700901	1	5 F
54161	01306		3	5 L
54F161A	34301		1	5 F
54HCT161		5962-8685401	2	5 -
54FCT161		5962-8864001	2	5
54AC161	76302	5962-8956101	2	5
54LS161	31504	7600801	1	5 F
54ALS161B	38001	8302201	1	5 F
54HC161	66302	8407501	1	5 F
54162	01305		3	5 L
54LS162A	31511		1	5 P
54F162A	34402		1	5 F
54HCT162		5962-8970701	2	5
54ALS162A	38102	8407901	2	5 -
54HC162	66303	8409401	2	5 F
54163A	01304		3	5 L
54F163A	34302		1	5 F
54FCT163		5962-8865701	2	5 -
54FCT163A		5962-8865702	2	5 -
54AC163	76304	5962-8958201	2	5
54LS163A	31512	7603401	1	5 P
54ALS163B	38002	8302202	1	5 F
54HC163	66304	8607601	1	5 F
54164	00903		3	5 L
54L164	02802		3	5 L
54LS164	30605		1	5 P
54F164		5962-8607101	2	5 F
54ALS164		5962-8687001	2	5 -
54HCT164		5962-8970401	2	5
54HC164	66501	8416201	1	5 F
54165	00904		3	5 L
54HCT165		5962-8685501	2	5 -
54ALS165		5962-8957401	2	5
54LS165A	30608	7700601	1	5 F
54HC165	66502	8409501	1	5 -
54HC166	66503		2	5 -
54LS166	30609	8001701	1	5 F
54ALS168	38103		2	5 -
54LS168	31505	8001801	2	5 -
54F169		5962-8607201	2	5 -
54LS169	31506	8001802	2	5 F
54ALS169B	38003	8302501	1	5 F
5417	00804		3	2 L
54170	01801		4	5 -
54LS170	31902	8002501	2	5 F
54LS173A	36101		1	3 F
54HC173	65306	5962-8682501	1	3 F
54HCT173		5962-8875901	2	3
54174	01701		3	3 L
54LS174	30106		1	3
54S174	07105		3	3 L
54F174	34107		1	3 F
54AC174	75307	5962-8762601	2	3 -
54ACT174		5962-8775701	2	3
54HCT174		5962-8974301	2	3
54ALS174	37201	8301901	1	3 F
54HC174	65307	8407301	1	3 P
54LS175	30107		1	3
54175	01702		3	3 L
54S175	07106		3	3 L
54F175	34104		1	3 F
54AC175	75308	5962-8955201	2	3
54ACT175		5962-8969301	2	3
54HCT175		5962-8970101	2	3
54ALS175	37202	8301902	1	3 F
54HC175	65308	8408901	1	3 P
54180	01901		3	4 L
54181	01101		3	4 L
54F181	33801		1	4 F
54LS181	30801		1	4 P
54S181	07801		3	4 L
54182	01102		3	4 L
54F182	33802		1	4 F
54S182	07802		3	4 L
54FCT182		5962-8865201	2	4
54FCT182A		5962-8865202	2	4
54185A		7703001	3	4 L
54S189		7801502	2	6 -
54F190	34403		1	5 F
54HC190		5962-8994601	2	5
54LS190	31513	7603501	1	5 P
54F191	34303		2	5 F
54ALS191		5962-8684001	2	5 -
54HC191	66305	5962-8689101	2	5 F
54HCT191		5962-8867101	2	5 -
54FCT191		5962-8973301	2	5
54FCT191A		5962-8973302	2	5
54AC191	76305	5962-8974901	2	5
54LS191	31509	7600901	1	5 P
54192	01308		3	5 L
54F192	34404		1	5 F
54HC192	66306	5962-8780801	2	5 F
54LS192	31507	7603601	1	5 P
54193	01309		3	5 L
54F193	34304		1	5 F
54L193	02503		3	5 L
54HC193	66307	5962-8772401	2	5 F
54ALS193		5962-8869801	2	5 -
54LS193	31508	7600601	1	5 P
54194	00905		3	5 L
54LS194A	30601		1	5 P
54HC194	66504	5962-8682601	2	5 F
54F194	33601	5962-8685001	1	5 F
54S194	07601	7604001	3	5 L
54195	00906		3	5 L
54LS195A	30602		1	5 P
54S195	07602		4	5 -
54HC195	66505	5962-8682701	2	5 F
54LS196	32001	7701001	2	5 F
54LS197	32002	7601501	1	5 P
5420	00102		3	1 L
54F20	33004		1	1 F
54H20	02302		3	1 L
54L20	02002		3	1 L
54LS20	30007		1	1 P
54S20	07006		3	1 L
54AC20	75003	5962-8761301	1	1 -
54ALS20A	37003	5962-8858901	1	1 F
54HC20	65003	8403901	1	1 P

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Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
54LS21	31003		1	1 P
54AS21		5962-8780401	3	1 -
54HC21		5962-8857601	2	1 F
54F21		5962-8955401	2	1
54ALS21		8414301	2	1 -
54H22	02307		3	1 L
54LS22	30008		1	1 P
54S22	07007		3	1 L
54221		5962-8771101	3	3 -
54HC221		5962-8780501	2	3 F
54HC221A		5962-8780502	3	3
54LS221	31402	7604201	1	3 P
54BCT2240		5962-9093901M		
			2	13
54BCT2244		5962-9074101M		
			2	13
5423	00402		3	1 L
54HC237		5962-8860601	2	4 -
54HCT237		5962-9061301	2	4
54HC238		5962-8688401	2	4 -
54HCT238		5962-8974501	2	4
54F240	33201		1	2 F
54AC240	75703	5962-8755001	1	2 -
54FCT240		5962-8765501	2	2 -
54FCT240A		5962-8765502	2	2 -
54ACT240		5962-8775901	2	13 -
54ALS240A	38301	5962-8859101	1	2 F
54BCT240		5962-9074201M		
			2	2
54LS240	32401	7801201	1	2 P
54HC240	65703	8407401	1	2 P
54HCT240	65753	8550501	1	2 F
54LS241	32402		1	2 P
54HCT241	65754		2	2 F
54HC241	65704		1	2 P
54F241	33202	5962-8687401	1	2 F
54AC241	75704	5962-8755101	1	2 -
54ALS241	38302	5962-8859601	1	2 F
54FCT241		5962-8973201	2	2
54FCT241A		5962-8973202	2	2
54ACT241		5962-8984701	2	2
54BCT241		5962-9074301M		
			2	13
54F242	34801		2	13 F
54HC242	65501		2	13 F
54LS242	32801	8002001	1	13 P
54ALS242B	38506	8401301	2	13 -
54F243	34802	5962-8683401	1	13 F
54LS243	32802	8002002	1	13 P
54ALS243A	38507	8401302	2	13 -
54HC243	65502	8409001	2	13 F
54F244	33203		1	2 F
54ALS244A	38303	5962-8683901	1	2 F
54AC244	75705	5962-8755201	1	2 -
54FCT244		5962-8763001	2	2 -
54FCT244A		5962-8763002	2	2 -
54ACT244		5962-8776001	2	2 -
54BCT244		5962-9062501M		
			2	13
54LS244	32403	7705701	1	2 P
54HC244	65705	8409601	1	2 P
54HCT244	65755	8513001	1	2 F
54FCT245		5962-8762901	2	13 -
54FCT245A		5962-8762902	2	13 -
54ACT245		5962-8766301	2	13 -
54AC245	75503	5962-8775801	1	13
54BCT245		5962-9051401M		
			2	13
54LS245	32803	8002101	1	13 P
54ALS245A		8403001	2	13 -
54HC245	65503	8408501	1	13 P
54HCT245	65553	8550601	1	13 P
54F245	34803	8551101	1	13 F
54LS248		5962-8994401	2	4
5425	00403		3	1 L
54AS250A		5962-9056201	2	4
54F251A	33905		1	4 F
54AC251	76205	5962-8769201	2	4 -
54ACT251		5962-8959901	2	4
54HCT251		5962-9052401M		
			2	4
54LS251	30905	7601601	1	4 P
54S251	07905	8002201	3	4 L
54ALS251		8413501	2	4 -
54HC251B	66205	8512501	2	4 F
54F253	33908		1	4 F
54S253	07908		3	4 L
54AC253	76206	5962-8769301	2	4 -
54ACT253		5962-8776101	2	4 -
54HC253B	66206	5962-8868201	2	4 F
54LS253	30908	7601701	1	4 P
54ALS253		8509601	2	4 -
54S257	07906		3	4 L
54F257A	33906		1	4 F
54AC257	76207	5962-8870301	2	4
54ACT257		5962-8968901	2	4
54HCT257		5962-8970501	2	4
54LS257B	30906	7603701	1	4 F
54ALS257		8509701	2	4 -
54HC257	66207	8512401	2	4 F
54F258A	33907		1	4 F
54ALS258		5962-8862601	2	4 -
54ACT258		5962-8870401	2	4
54HCT258		5962-8970801	2	4
54LS258B	30907	7603801	1	4 F
54S258	07907	8002301	3	4 L
54LS259B	31605		1	3 F
54LS259	31603		1	3 P
54ALS259		5962-8874101	2	3
54F259		5962-8972301	2	3
54HC259	65402	8551901	1	3 F
5426	00805		3	2 L
54LS26	32102	7602001	1	1 P
54LS261	31801	8002601	2	4 -
54LS266	30303		1	1 P
54HC266	65103	8404301	1	1 P
54F269		5962-8862701	2	5
54LS27	30302		1	1 P
5427	00404		3	1 L
54ALS27	37302	5962-8683801	1	1 F
54F27		5962-8951001	2	1
54HCT27		5962-8970301	2	1
54HC27	65102	8404201	1	1 P
54FCT273		5962-8765601	2	3 -
54FCT273A		5962-8765602	2	3
54HCT273		5962-8772501	2	3 -
54AC273	75601	5962-8775601	1	3
54F273		5962-8855001	2	3 -
54ACT273		5962-8973501	2	3
54LS273	32501	7801001	1	3 P
54HC273	65601	8409901	1	3 P
54ALS273		8413601	2	3 -
54LS279	31602	7601801	1	3 P
5428	16201		4	2 -
54LS28	30204		1	2 P
54F280	34901		1	4 F
54LS280	32901		1	4 P
54HC280		8607701	2	4 F
54BCT2827A		5962-9074401M		
			2	13
54BCT2828A		5962-9074501M		
			2	13
54F283	34201		1	4 F
54HC283		5962-8976501	2	4
54LS283	31202	7604301	1	4 P
54AS286		5962-8966301	2	4
54LS290	32003		1	5 F
54LS293	32004		1	5 P
54LS295B	30606		1	5 F
54LS298	30909	7601901	1	4 P
54ALS29821		5962-9061601	2	3
54ALS29823		5962-9067501M		
			2	5
54ALS29824		5962-9067502M		
			2	5
54ALS29825		5962-9069501M		
			2	5
54ALS29843		5962-9072001M		
			2	4
54FCT299		5962-8686201	2	5 -
54FCT299A		5962-8686202	2	5
54HC299	66506	5962-8780601	2	5 F
54AC299	76506	5962-8875401	1	5
54ACT299		5962-8877101	2	5
54F299		5962-8957301	2	5
54LS299		7802401	2	5 -
54ALS299	37601	8302101	2	5 -
54S30	07008		3	1 L
5430	00101		3	1 L
54H30	02301		3	1 L
54LS30	30009		1	1 P
54L30	02001		3	1 L
54ALS30A	37004	5962-8683701	1	1 F
54F30		5962-8870801	2	1 -
54HCT30		5962-8974601	2	1
54HC30	65004	8404001	1	1 P
54F30244		5962-8872201	2	2
54F30245		5962-8972201	2	13
54F3037		5962-9056501	2	13
HCPL-5431		5962-8957101	1	22
5432	16101		3	1 L
54F32	33501		1	1 F
54LS32	30501		1	1 P
54ALS32	37501	5962-8683601	1	1 F
54HCT32		5962-8685201	2	1 -
54AC32	75201	5962-8761401	1	1 L
54ACT32		5962-8973601	2	1
54HC32	65201	8404501	1	1 P
54F322		5962-8607401	2	5 -
54ALS323	37602	8302102	2	5 -
54LS33		8512601	2	2 F
54LS348	36002		1	4 F
54F350		5962-8607501	2	5 F
54F352	33909		1	4 F
54F353	33910		1	4 F
54LS353		8550801	2	4 -
54F36		5962-8870901	2	1 -
54LS365	32201		1	2 F
54365	16301		3	2 L
54F365	35101		1	2 F
54HC365	65706	8500101	1	2 P
54366	16302		3	2 L
54LS366	32202		1	2 F
54HC366	65707	5962-8682801	2	13 F

MILITARY PARTS
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Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
54367	16303		3	2 L
54LS367	32203		1	2 F
54HCT367		5962-9070601M		
			2	13
54HC367	65708	8500201	1	2 P
54368	16304		3	2 L
54LS368	32204		1	13 F
54HC368	65709	5962-8681201	1	2 P
5437	00302		3	2 L
54ALS37	38401		1	2 F
54F37	35201		2	2 -
54LS37	30202		1	2 P
54F373	34601		1	3 F
54LS373	32502		1	3 P
54HCT373	65453	5962-8686701	1	3 -
54AC373	75403	5962-8755501	1	3 -
54ACT373		5962-8755601	2	3 -
54FCT373		5962-8764401	2	3 -
54FCT373A		5962-8764402	2	3 -
54BCT373		5962-9074601M		
			2	3
54ALS373	37203	8302001	1	3 F
54HC373	65403	8407201	1	3 P
54F374	34105		1	3 F
54FCT374		5962-8762801	2	3 -
54FCT374A		5962-8762802	2	3 -
54ACT374		5962-8763101	2	3 -
54AC374	75602	5962-8769401	1	3 -
54BCT374		5962-9051601M		
			2	3
54LS374	32503	7801101	1	3 P
54ALS374	37204	8302002	1	3 F
54HC374	65602	8407101	1	3 P
54HCT374	65652	8550701	1	3 -
54LS375	31604		1	3 F
54LS377	32504		1	3 F
54FCT377		5962-8762701	2	3 -
54FCT377A		5962-8762702	2	3
54ACT377		5962-8769701	2	3
54HC377	65603	5962-8780701	2	3 F
54AC377	75603	5962-8870201	2	3
54HCT377		5962-8976901	2	3
54F377		5962-9091001M	2	3
54F378	34108	5962-8855501	2	5 -
54LS378		5962-8992501	2	3
54F379	34109		1	3 -
5438	00303		3	2 L
54LS38	30203		1	2 P
54ALS38A		5962-8687101	2	2 -
54F38	35202	5962-8687201	1	2 F
54F381	33803	5962-8671001	1	4 F
54F382	33804		1	4 -
54LS382		5962-8688101	2	4 -
54LS390	32701	7802601	1	5 P
54HC390	66308	8600901	2	5 F
54LS393	32702		1	5 P
54HCT393		5962-8989001	2	5
54HC393	66309	8410001	1	5 P
54LS395A	30607		1	5 P
54LS396		5962-9050301	2	5
54F398	35001		1	4 F
54F399	35002		1	4 F
54FCT399		5962-8965201	2	5
54FCT399A		5962-8965202	2	5
54LS399		8415401	2	5 F
5440	00301		3	2 L
54F40	35203		2	2 -
54H40	02401		3	2 -
54LS40	30201		1	2 F
54S40	07201		3	2 L
54HC4002	65104	8404401	1	1 F
54HCT40102		5962-9057401	2	5
54HC40103		5962-9055301	2	5
54HC4016		5962-8875801	2	18
54HCT4017		5962-9059701M		
			2	5
54HC4017	66310	8601101	2	5 -
54HCT4020		5962-8945801	2	5
54HC4020	66311	8500301	2	5 -
54HC4024	66312	8601201	2	5 -
54HCT4040		5962-8994701M		
			2	5
54HC4040	66313	8500401	2	5 -
54HCT4046A		5962-8875701	2	24
54HC4046A		5962-8960901	2	24
54HC4049		5962-8681901	2	2 -
54HC4050		5962-8682001	2	4 -
54HC4052		5962-8855601	2	18 -
54HC4053		5962-8775401	2	18 -
54HCT4059		5962-8862401	2	5 -
54HC4059		5962-8944501	2	5
54HC4060		5962-8768001	2	5 -
54HCT4060		5962-8977101	2	5
54HC4066		5962-8950701	2	18
54HC4075		5962-8772201	2	1 -
54HC4078		5962-8857401	2	1 -
5442	01001		3	4 L
54L42	02901		4	4 -
54HC42	65801	5962-8682101	2	4 F
54LS42	30703	7603101	1	4 P
54HC423A		5962-8949201	2	3
5443	01002		4	4 -
54L43	02902		4	4 -
54F432		5962-9058501	2	3
5444	01003		4	4 -
54L44	02903		4	4 -
5445	01004		3	4 L
54HC4511		5962-8773301	2	4
54HC4538		5962-8688601	2	3 -
5446	01006		3	4 L
54L46	02904		4	4 -
5447	01007		3	4 L
54L47	02905		4	4 -
54LS47	30704	7604501	1	4 F
5448	01008		3	4 L
5449	01009		4	4 -
54LS490	32703		1	5 F
5450	00501		3	1 L
54H50	04001		4	1 -
54S51	07401		3	1 L
54H51	04002		4	1 -
54L51	04101		4	1 -
54LS51	30401		1	1 P
5451	00502		3	1 L
54F51		5962-8877401	2	1
54F518		5962-8871001	2	4 -
54F519		5962-8871101	2	4 -
54ALS520		5962-8869101	2	4
54F520		5962-8871201	2	4
54ACT520		5962-8979301	2	4
54F521	34701		1	4 F
54FCT521		5962-8854301	2	4
54FCT521A		5962-8854302	2	4
54FCT521B		5962-8854303	2	4
54ACT521		5962-8979302	2	4
5453	00503		3	1 L
54H53	04003		4	1 -
54AC533	75404		2	3
54F533	34602		1	3 F
54HC533	65404	5962-8681301	2	3 -
54FCT533		5962-8865101	2	3
54FCT533A		5962-8865102	2	3
54AC534	75605		2	3
54F534	34106		1	3 F
54HC534	65605	5962-8681401	2	3 -
54FCT534		5962-8865501	2	3
54FCT534A		5962-8865502	2	3
54ALS534		5962-8866801	2	3 -
54ACT534		5962-8965801	2	3
54HCT534		5962-8984901	2	3
54BCT534		5962-9074701M	2	3
5454	00504		3	1 L
54H54	04004		4	1 -
54L54	04102		4	1 -
54LS54	30402		1	1 P
54HCT540	65760		1	13 -
54HC540	65710		1	2 F
54F540	33204		1	2 F
54AC540	75710	5962-8769501	2	13 -
54FCT540		5962-8976701	2	2
54FCT540A		5962-8976702	2	2
54BCT540		5962-9074801M		
			2	13
54LS540	32404	8415501	1	2 F
54HC541	65711		1	2 F
54HCT541	65761		1	2 F
54AC541	75711	5962-8870601	2	2
54ALS541		5962-8960201	2	2
54FCT541		5962-8976601	2	2
54FCT541A		5962-8976602	2	2
54BCT541		5962-9074901M		
			2	13
54LS541	32405	8415601	1	2 F
54FCT543		5962-8973001	2	13
54FCT543A		5962-8973002	2	13
54BCT543		5962-9087001M		
			2	13
54F544		5962-8955501	2	13
54BCT544		5962-9155401M		
			2	13
54F545	34804		1	13
54H55	04005		4	1 -
54L55	04103		4	1 -
54ALS560	38104		2	5 -
54ALS561A	38004	8302203	2	5 -
54AC563	75405		2	3
54F563	34603		1	3 F
54HC563	65405	5962-8606201	2	3 F
54ALS563A		5962-8870001	2	3
54ACT563		5962-8955601	2	3
54AC564	75606		2	3
54F564	34111		2	3 -
54HC564	65606	5962-8681501	2	3 -
54ALS564A		5962-8872801	3	3
54ACT564		5962-8955701	2	3
54ALS568	38105		2	5 -
54ALS569A	38005	8302502	2	5
54S572	20601		2	7 L
54AC573	75406		2	3
54F573	34604		1	3 F
54HCT573		5962-8685601	2	3 -
54ACT573		5962-8766401	2	3
54FCT573		5962-8863901	2	3
54FCT573A		5962-8863902	2	3

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Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	N A T O
54ALS573	38201	8401201	1 3	F
54HC573	65406	8512801	1 3	P
54AC574	75604		2 3	
54HC574	65604		1 3	P
54FCT574		5962-8951301	2 3	
54FCT574A		5962-8951302	2 3	
54ACT574		5962-8960101	2 3	
54F574	34110	5962-8972401	2 3	
54ALS574A	37104	8400101	1 3	F
54ALS576A	37105	8400102	2 3	-
54F579		5962-8954501	2 5	
54ALS580	38202	8401202	2 3	-
54LS590		5962-8751701	2 5	-
54HC590		5962-8960301	2 5	
54LS592		5962-8762101	2 5	-
54LS595		5962-8671701	2 5	-
54HC595	66507	5962-8681601	2 5	-
54HC597		5962-8681701	2 5	-
54HCT597		5962-8974101	2 5	
54F620		5962-8946601	2 13	
54BCT620A		5962-9075001M		
			2 13	
54F621		5962-9050602	2 13	
54AC623	75505		2 13	
54HC623		5962-8998901	2 13	
54F623		5962-9050601	2 13	
54BCT623		5962-9094001M		
			2 13	
54LS629		8102101	2 24	-
54F64	33401		1 1	F
54S64	07402		3 1	L
54AC640	75506		2 13	
54HC640	65506	5962-8780901	2 13	F
54FCT640		5962-8865401	2 13	
54FCT640A		5962-8865402	2 13	
54ALS640A	38501	5962-8872701	2 13	-
54AS640		5962-8955301	3 13	
54HCT640		5962-8974001	2 13	
54BCT640		5962-9075201M		
			2 13	
54LS640		8416101	2 13	-
54ALS641	38502		2 13	-
54ALS642	38503		2 13	-
54LS642		5962-8974801	2 13	
54AC643	75507		2 13	
54ALS643	38504		2 13	-
54HC643	65507		2 13	F
54FCT645		5962-8865301	2 13	
54FCT645A		5962-8865302	2 13	
54ALS645A	38505	8403301	1 13	-
54LS646	32804		2 13	-
54HC646	65508	5962-8688501	2 13	-
54AS646		5962-8759501	3 13	-
54FCT646		5962-8877501	2 13	
54FCT646A		5962-8877502	2 13	
54AC646	75508	5962-8968201	2 13	
54F646		5962-8975401	2 13	
54ALS646		5962-8995601	2 13	
54BCT646		5962-9155501M		
			2 13	
54LS648	32805		2 13	-
54AC648	75509		2 13	
54HC648	65509		2 13	-
54F648		5962-8975402	2 13	
54ALS648		5962-9052301	2 13	
54S65	07403		4 1	L
54AS651		5962-8875301	3 13	
54ALS652		5962-8867301	2 13	
54AS652		5962-8868701	3 13	-
54F652		5962-8955801	2 13	
54BCT652		5962-9155301M		
			2 13	
54ALS653		5962-8968701	2 13	
54F657		5962-8953501	2 13	
54LS668		5962-8687601	2 5	-
54LS670	31901	7704201	1 5	P
54LS673		5962-8860201	2 5	-
54LS674		5962-8860701	2 5	-
54F676		5962-8854601	2 5	-
54LS682		8415101	2 10	-
54LS684		8415201	2 10	-
54HC688		5962-8681801	2 4	F
54HCT688		5962-8685701	2 4	-
54ALS688		5962-8857801	2 4	-
54LS688		8415301	2 10	-
5470	00206		3 3	L
54L71	02101		3 3	L
5472	00201		3 3	L
54H72	02201		4 3	L
54L72	02102		3 3	L
54HC7266	65105	8404302	2 1	-
5473	00202		3 3	L
54H73	02202		4 3	L
54L73	02103		3 3	L
54LS73	30101		1 3	F
54HC73	65301	5962-8515301	2 3	-
5474	00205		3 3	L
54LS74A	30102		1 3	F
54S74	07101		3 3	L
54L74	02105		3 3	L
54H74	02203		4 3	L
54HCT74	65352	5962-8685301	1 3	-
54ACT74		5962-8752501	2 3	-
54AC74	75302	5962-8852001	1 3	-
54ALS74A	37101	8401101	1 3	F
54HC74	65302	8405601	1 3	P
5475	01501		3 3	L
54HCT75		5962-9075801M		
			2 3	
54LS75	31601	7601201	1 3	P
54HC75	65401	8407001	2 3	-
54AS756		5962-9056301	2 2	
5476	00204		3 3	L
54H76	02204		4 3	L
54HC76		5962-8773201	2 3	-
54LS76A	30110	7601301	1 3	F
54AS760		5962-8776701	3 2	
54BCT760		5962-9093801M		
			2 13	
5477	01502		3 3	L
54F776		5962-8870701	2 13	
54L78	02104		3 3	L
5479	00207		3 3	L
TLC548		5962-9084501M		
			2 17	
5480	00604		3 4	L
54AS804		5962-8776601	3 2	-
54ALS804		5962-8869301	2 13	-
54AS805		5962-8779401	3 2	-
54ALS805A		5962-8869401	2 13	-
54AS808		5962-8852201	3 2	-
54ALS808		5962-8869501	2 13	-
5482	00601		3 4	L
54FCT821A		5962-8860801	2 5	
54FCT821B		5962-8860802	2 5	
54ACT821		5962-8870501	2 3	
54AS821		5962-9078001M		
			2 3	
54AS822		5962-9078002M		
			2 3	
54FCT823A		5962-8865601	2 5	
54FCT823B		5962-8865602	2 5	
54AS823		5962-8952501	3 3	
54FCT824A		5962-8966501	2 5	
54FCT824B		5962-8966502	2 5	
54FCT825A		5962-8867401	2 5	
54FCT825B		5962-8867402	2 5	
54AS825		5962-9078003M	2 3	
54AS826		5962-9078004M	2 3	
54FCT827A		5962-8950601	2 13	
54FCT827B		5962-8950602	2 13	
5483	00602		3 4	L
54LS83A	31201	7601401	1 4	P
54AS832B		5962-8852301	3 2	
54ALS832		8414501	2 13	-
54FCT833A		5962-8973101	2 13	
54FCT833B		5962-8973102	2 13	
54FCT841A		5962-8857501	2 3	
54FCT841B		5962-8857502	2 3	
54FCT845A		5962-8867501	2 8	
54FCT845B		5962-8867502	2 8	
5485	15001		3 4	L
54LS85	31101		1 4	P
54S85	08201		3 4	L
54F85		5962-8606901	3 4	-
54HCT85		5962-8867201	2 4	-
54C85		7703701	3 4	-
54HC85		8601301	2 4	F
54ALS857A	37901	5962-8753301	1 4	F
5486	00701		3 1	L
54S86	07501		3 1	L
54F86	34501		1 1	F
54LS86	30502		1 1	P
54L86	02601		3 1	L
54ALS86		5962-8862101	2 1	-
54AC86	75202	5962-8955001	1 1	
54HCT86		5962-8984401	2 1	
54HC86	65202	8404601	1 1	P
54FCT861A		5962-8953301	2 13	
54FCT861B		5962-8953302	2 13	
54FCT863A		5962-8866101	2 13	
54FCT863B		5962-8866102	2 13	
54AS867		5962-8966801	3 5	
54AS869		5962-8952601	3 5	
54ALS870		5962-8988901	2 5	
54ALS873	38203	8403201	2 3	-
54ALS874B	37106	8401001	2 3	-
54ALS876	37107	8401002	2 3	-
54ALS880	38204	8403202	2 3	-
54AS885		5962-8975701	3 4	
TLC549		5962-9084502M		
			2 17	
5490	01307		3 5	L
54L90	02501		3 5	L
54LS90	31501	7603201	1 5	P
54C906		7705601	3 2	-
5492	01301		3 5	L
54LS92	31510		1 5	P
54C922		5962-8752101	3 4	-
5493	01302		3 5	L
54L93	02502		3 5	L
54LS93	31502	7700101	1 5	P
5495	00901		3 5	L
54L95	02801		3 5	L

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Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	N A T O
54LS95B	30603		1	5 P
5496	00902		3	5 L
54LS96	30604		1	5 F
54ALS996		5962-8994501	2	3
54F198		5962-9050201	2	5
HCPL-5501		5962-9085401H	1	22
55ALS056		5962-9062801	2	13
55ALS057		5962-9062901	2	13
55107	10401		1	13 F
55108	10402		1	13 F
55110A		5962-8754701	2	13 -
55113	10405		1	13 F
55113		5962-8874401	2	13
55115		5962-8874501	2	13 F
55116		5962-8851101	2	13 -
55117		5962-8851102	2	13 -
55118		5962-8851103	2	13 -
55119		5962-8851104	2	13 -
55121		5962-8776901	2	13 -
55ALS160		5962-8968001	2	13
55ALS161		5962-8968101	2	13
55188		5962-8688901	2	13 -
55189		5962-8688801	3	13 -
55189A		5962-8688802	2	13 -
55ALS194		5962-8864801	2	13
55ALS195		5962-8864901	2	13
5521		5962-9087902M	2	24
HCPL-5531		5962-8767902	1	22
5532A	13102		1	9 F
55325	13001		1	15 F
55326	13002		1	15 F
55327	13003		2	15 F
5534A	13101		1	9 F
5537	12502		2	20 -
5539		5962-8606401	2	9 -
55450	12901		3	13 -
55451	12902		1	13 F
55452	12903	7704901	1	13 F
55453	12904		1	13 F
55454	12905	5962-8871501	1	13 F
55460	12906		3	13 -
55461	12907		1	13 F
55462	12908		1	13 F
55463	12909		1	13 F
55464	12910	5962-8871502	2	13 -
55474		5962-8871503	2	13
555	10901		1	14 F
555	10903		3	14 L
555LV	14905		2	14
TLC555	14901	5962-8950301	2	14
55500		8601801	2	13 -
55501		8601802	2	13 -
556	10902		1	14 F
TLC556	14902	5962-8950302	2	14
5560		5962-8672201	2	12 -
5564-250	22810		3	7 -
5564-250	22811		3	7 -
55C64-250	26005		2	7 -
AD558S		5962-8778901	3	16 -
AD558T	14401	5962-8778902	2	16 -
56001-20		5962-8951201	2	8
HCPL-5601		5962-9085501H	2	22
IM5603A	20201		4	7 -
561	13301		1	16 F
562	12101	8100801	1	16 F
IM5623	20202		4	7 -
563	12102	8100802	2	16 -
HCPL-5631		8102802	2	22
565	12103		1	16 F
566	12104		2	16 -
567		5962-8700301	2	24 -
AD567S		5962-8780101	2	16 -
AD570		5962-8680201	2	17 -
HCPL-5701		5962-8981001	1	22
AD571	13401	5962-8680202	2	17 -
AD573S		5962-8850501	2	17 -
HCPL-5731		5962-8978501	1	22
574AU	14003		2	17 -
574AT	14004		2	17 -
574AU		5962-8512701	2	17 -
574AT		5962-8512702	2	17 -
574AU		5962-8512703	3	17 -
574AT		5962-8512704	3	17 -
57401		5962-8779101	2	8 -
57401A		5962-8779103	2	8 -
C57401		5962-8779105	2	8 -
C57401A		5962-8779107	2	8 -
57L401D		5962-8779109	2	8 -
57L4013D		5962-8779111	2	8 -
57402		5962-8779102	2	8 -
57402A		5962-8779104	2	8 -
C57402		5962-8779106	2	8 -
C57402A		5962-8779108	2	8 -
57L402D		5962-8779110	2	8 -
HCPL-5761		5962-8947701	1	22
57C64-70		8510207	2	7
AD578SD		5962-8865801	1	17
AD578TD		5962-8865802	1	17
AD578ZSD		5962-8865803	1	17
AD578ZTD		5962-8865804	1	17
580S		5962-8686101	2	19 -
580U		5962-8686103	2	19
UCS-5800		5962-8764002	2	13
UCS-5801		5962-8764001	2	13 -
UCS5822		5962-8764101	2	13 -
584S	12801		1	19 F
584T	12802		1	19 F
AD585		5962-8754001	2	20 -
AD586S		5962-8982401	2	19
AD586T		5962-8982402	2	19
AD587SQ		5962-8982501	2	19
AD587TQ		5962-8982502	2	19
AD587UQ		5962-8982503	3	19
AD588S		5962-8972801	2	19
AD588T		5962-8972802	2	19
AD590J		5962-8757101	2	24 -
AD590K		5962-8757102	2	24 -
AD590L		5962-8757103	2	24 -
AD590M		5962-8757104	2	24 -
592		8418502	2	9 -
604A		5962-8956401	2	24
LM604		5962-8963901	2	9
6116	29101		2	6 F
6116	29104		1	6 F
6116	29105		2	6 F
6N134		8102801	1	22 -
6N140A		8302401	1	22 -
LM6161		5962-8962101	2	9
LM6164		5962-8962401	2	9
LM6165		5962-8962501	2	9
HCPL-6231		5962-8876902	1	22
AD625		5962-8771901	2	9 -
AD630		5962-8980701	2	24
BUS-63105		5962-8604901	3	13 -
UT63M105		5962-8864401	2	13
UT63M107		5962-8864402	2	13
UT63M115		5962-8864403	2	13
UT63M117		5962-8864404	2	13
BUS-63125		5962-8757901	3	13 -
BUS-63125II		5962-8757902	2	13 -
MR63125MPR		5962-8757908	2	13
UT63M125		5962-8864405	2	13
UT63M127		5962-8864406	2	13
BUS-63127II		5962-8982601	2	13
UT63M135		5962-8864407	2	13
BUS63135II		5962-8944704H	2	13
UT63M137		5962-8864408	2	13
BUS-63147		5962-8952201	2	13
BUS-63148		5962-8952204	2	13
AD637		5962-8963701	2	24
OP64A		5962-9053501	2	9
HD-6402R		5962-9052501M	2	13
HD-6402B		5962-9052502M	2	13
HCPL-6431		5962-8957102	1	22
AD650	13803		2	17 -
6504	24501		1	6 -
6504RH	24503		1	6
6508	23901		4	6 -
BUS-65111		5962-8763201	2	13
BUS-65112		5962-8753501	2	22 -
6514	24502		1	6
6514RH	24504		1	6
6516	29102		1	6 F
6516-1	61001		2	6 -
6516-2	61002		2	6 -
65162	29110		1	6 -
6516-3	61003		2	6 -
6518	23902		4	6 -
65262	29103		1	6 F
65262	29109		1	6
65C262RH	29107		2	6
65T262RH	29108		2	6
HCPL-6531		5962-8767903	1	22
BUS-65600		5962-8858501	2	13
65642	29205		1	6 F
65643	29206		2	6 -
MCM6604A	23602		4	6 -
MCM6604A	23604		4	6 -
MCM6605	23601		4	6 -
MCM6605	23603		4	6 -
BUS-66300II		5962-8858601	2	8
HCPL-6631		8102803	2	22
6654	21901		4	7 -
6665	24401		3	6 L
6665	24402		3	6 L
6665	24403		3	6 L
AD667S		5962-8865901	2	16
6685		8600803	2	10 -
AM6687		7801902	2	10
670S		5962-8763501	2	17
AD673S		5962-8850502	2	17 -
HCPL-6731		5962-8978502	1	22
674AT	14006		2	17 -
674AU	14005		2	17 -
R675B-3	13602		2	19 -
R675B-4	13601		2	19 -
6800	40001		4	8 -
68000-10	54003	8202103	1	8 -

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Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	N A T O
68000-12		8202104	2 8	-
68000-6	54001	8202101	2 8	-
68000-8	54002	8202102	1 8	-
68020-12		5962-8603201	3 8	-
68020-16		5962-8603202	2 8	-
68020-20		5962-8603203	2 8	-
68030-16		5962-8946401	2 8	
68030-20		5962-8946402	2 8	
68030-25		5962-8946403	2 8	
68030-33		5962-8946404	2 8	
6810	40201		4 6	-
68154		5962-8857201	2 23	-
68155		5962-8866601	2 23	-
68172		5962-8770501	2 8	-
MC6821	40101		4 8	-
6831B	40301		4 7	-
68442-8		5962-8681101	2 8	
685		8600801	2 10	-
685		8600802	2 10	-
68562		5962-8681001	2 8	-
AM686		7801801	2 10	-
68681		5962-8856603	2 13	-
68C681		5962-8953203	2 13	
AM687		7801901	2 10	-
68HC811E2		5962-8952701	2 8	
68881-16		5962-8602102	2 8	-
68881-20		5962-8602103	2 8	-
68901-4		5962-8850601	2 8	-
68901-5		5962-8850602	2 8	-
DAC703		5962-8856301	2 16	
LM709		7800701	3 9	L
710	10301		3 10	L
711	10302		3 10	L
7132SA-45		5962-8700201	2 6	-
7132LA-45		5962-8700205	2 6	-
7132SA-55		5962-8700204	2 6	-
7132LA-55		5962-8700208	2 6	-
7132SA-70		5962-8700203	2 6	-
7132LA-70		5962-8700207	2 6	-
7132SA-90		5962-8700202	2 6	-
7132LA-90		5962-8700206	2 6	-
714	13502		1 9	F
7142SA-45		5962-8700209	2 6	-
7142LA-45		5962-8700213	2 6	-
7142SA-55		5962-8700212	2 6	-
7142LA-55		5962-8700216	2 6	-
7142SA-70		5962-8700211	2 6	-
7142LA-70		5962-8700215	2 6	-
7142SA-90		5962-8700210	2 6	-
7142LA-90		5962-8700214	2 6	-
7C147	28901		1 6	
7C148	28902		1 6	-
ICM7170		5962-8765301	2 8	-
7187S45	29202		2 6	-
7187L55	29203		2 6	-
7187S55	29201		2 6	-
7187L70	29204		2 6	-
7C190		5962-8969401	2 6	
7C194	29303		1 6	
7C194	29304		1 6	
7C194	29311		1 6	
7C196	29305		2 6	
7C196	29306		2 6	
7C196	29316		2 6	
7C197	29301		1 6	
7C197	29302		1 6	
7C197	29310		1 6	
7C198	29307		1 6	
7C198	29308		1 6	
7C198	29309		1 6	
7C198	29313		1 6	
7201LA30		5962-8753101	2 8	-
7201LA50		5962-8753102	2 8	-
7201LA80		5962-8753103	2 8	-
7203S40		5962-8866904	2 8	
7203S50		5962-8866903	2 8	
7203S65		5962-8866902	2 8	
7203S80		5962-8866901	2 8	
721055		5962-8873301	2 4	
721065		5962-8873302	2 4	
721075		5962-8873303	2 4	
7216L-40		5962-8687301	2 4	-
7216L-55		5962-8687302	2 4	-
7216L-75		5962-8687303	2 4	-
7217L-40		5962-8768601	2 4	
7217L-55		5962-8768602	2 4	
7217L-75		5962-8768603	2 4	
7226		5962-8780201	2 16	-
7228T		5962-8866301	2 16	
7228U		5962-8866302	2 16	
723	10201		1 12	F
7C235-30		5962-8863602	2 7	
7C235-40		5962-8863601	2 7	
72404L10		5962-8684601	2 8	-
72404L15		5962-8684602	2 8	-
72404L25		5962-8684603	2 8	-
72404L35		5962-8684604	2 8	-
733		8418501	2 9	-
CY7C331-25		5962-8985503M	2 7	
CY7C331-30		5962-8985502M	2 7	
CY7C331-40		5962-8985501M	2 7	
741A	10101		1 9	F
7C429-30		5962-8866905	2 8	
747A	10102		1 9	F
V750-35		5962-8872602	2 7	
V750-40		5962-8872601	2 7	
7520	12702		1 16	F
7521	12703		1 16	F
7523	12701		2 16	-
7524		5962-8770001	2 16	-
7524		5962-8770002	2 16	-
7524		5962-8770003	2 16	-
7528		5962-8770101	2 16	-
7528		5962-8770102	2 16	-
7528		5962-8770103	2 16	-
7537S		5962-8776301	2 16	-
7537T		5962-8776302	2 16	-
7537U		5962-8776303	2 16	-
7541	12704		2 16	F
AD7541AS		5962-8948101	2 16	
AD7541AT		5962-8948102	2 16	
PM7541AB		5962-8948103	2 16	
PM7541AA		5962-8948104	2 16	
7545S		5962-8770201	2 16	-
7545T		5962-8770202	2 16	-
7545U		5962-8770203	2 16	-
7545G		5962-8770204	2 16	-
7545B		5962-8770205	2 16	-
7545A		5962-8770206	2 16	-
7547S		5962-8965701	2 16	
7547T		5962-8965702	3 16	
7547U		5962-8965703	2 16	
75C48S20		5962-8874301	2 17	
7549S		5962-8876501	2 16	
7549T		5962-8876502	2 16	
7555	14903	5962-8950303	2 14	
7556	14904	5962-8950304	2 14	
AD7569S		5962-8962901	2 24	
AD7569T		5962-8962902	2 24	
AD7572S05		5962-8759104	2 17	-
AD7572T05		5962-8759105	2 17	-
AD7572U05		5962-8759106	2 17	-
AD7572S12		5962-8759101	2 17	-
AD7572T12		5962-8759102	2 17	-
AD7572U12		5962-8759103	2 17	-
PM-7574A		5962-8961603	2 17	
PM-7574B		5962-8961604	2 17	
7575S		5962-8776201	2 17	-
7575T		5962-8776202	2 17	-
AD7579		5962-8969801	2 17	
AD7580		5962-8969802	2 17	
760		5962-8754501	2 10	
7602	20701		1 7	L
7603	20702		1 7	L
76165	21005		1 7	L
7640	20801		3 7	L
7641	20802		1 7	F
76L42A	02906		4 4	-
7643	20602		1 7	L
7644	20603		3 7	-
ICL7667		5962-8766001	2 13	-
AD767		5962-8961701	2 16	
76L70	02805		3 5	L
AD7672TQ05		5962-8965503	2 17	
AD7672UQ05		5962-8965504	2 17	
AD7672TQ10		5962-8965501	2 17	
AD7672UQ10		5962-8965502	2 17	
7680	20903		3 7	L
7681	20904		3 7	L
7684	20901		3 7	L
7684T		5962-8977701	2 17	
7684S		5962-8977702	2 17	
OP-77B		5962-8773801	2 9	-
OP-77A		5962-8773802	2 9	-
TL7702AM		5962-8868502	2 24	
TL7705AM		5962-8868501	2 24	-
77S190	21001		3 7	-
TL7770-12M		5962-9093202M	2 24	
TL7770-15M		5962-9093203M	2 24	
TL7770-5M		5962-9093201M	2 24	
78G	11702		3 12	L
78MG	11701		3 12	L
7805A		5962-8778201	2 12	-
7806A		5962-8962601	2 12	
7808A		5962-8962801	2 12	
7812A		5962-8777601	2 12	-
78C120		5962-8963001	2 13	
7815A		5962-8855301	2 12	-
AD7820U		5962-8865001	2 17	
AD7820T		5962-8865002	2 17	
7824A		5962-8855401	2 12	
7824T		5962-8876401	2 17	
7824U		5962-8876402	2 17	
7828T		5962-8876403	2 17	
7828U		5962-8876404	2 17	
7831	10406	8004101	2 13	F
7832	10407	8004102	2 13	F
78S40		5962-8876101	2 12	
AD7846		5962-8969701	2 16	
78C48SC30		5962-8874302	2 17	
79G	11802		3 12	L

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Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	NOTA
79MG	11801		3 12	L
7C901-27		5962-8853502	2 8	-
7C901-32		5962-8853501	2 8	-
7905A		5962-8874601	3 12	
7C9101-35		5962-8951702	2 8	
7C9101-45		5962-8951701	2 8	
7C910-46		5962-8770805	2 8	-
7C910-51		5962-8770804	2 8	-
7C9116-40		5962-8861204	2 8	
7912A		5962-8874701	3 12	
7915A		5962-8874801	3 12	
7924A		5962-8874901	2 12	
Z-80ACPU	48001		1 8	F
Z-80BCMOS	48501		1 8	
Z-80BCPU	48003		2 8	-
Z-80CPU	48002		1 8	F
Z80ACTC	48301		4 8	-
Z80ADMA	48201		4 8	-
Z80APIO	48401		4 8	-
Z80CTC	48302		4 8	-
Z80DMA	48202		4 8	-
Z80PIO	48402		4 8	-
NSC800		8301301	2 8	-
Z8001CPU	52001	8000301	2 8	-
Z8001ACPU	52003	8000303	2 8	-
Z8001B		8000304	2 8	-
Z8002CPU	52002	8000302	1 8	F
Z8002B		8000305	2 8	-
Z8002A CPU	52004	8000306	1 8	F
NSC800-4		8301302	2 8	-
80C186-10		5962-8850101	2 8	
80C186-12		5962-8850102	2 8	
M80186-6		8501002	2 8	-
M80186-8		8501001	2 8	-
80C196KB		5962-8998201	2 8	
Z-80SIO/2	48102		4 8	-
Z80ASIO/2	48101		4 8	-
80286-10		5962-8514803	2 8	-
80286-6		5962-8514802	2 8	-
80286-8		5962-8514801	2 8	-
80287-10		5962-8513301	2 8	-
80287-5		5962-8513303	2 8	
80287-8		5962-8513302	2 8	
Z8030A		5962-8551801	2 8	-
Z8030		5962-8551802	2 8	
8035L	49002		4 8	-
8035AHL		5962-8856801	2 8	-
Z8036A		8551701	2 8	-
Z8036		8551702	2 8	-
ICL8038		5962-8877201	2 24	
80386-12		5962-8766802	2 8	-
80386-16		5962-8766801	2 8	-
80386-20		5962-8766803	2 8	
80386-25		5962-8766804	2 8	
80387-16		5962-8953401	2 8	
80387-20		5962-8953402	2 8	
80387-25		5962-8953403	2 8	
80C451		5962-8972601M		
			3 8	
8048	49001		4 8	-
8048AH		5962-8856802	2 8	-
80C51BH-16		5962-8506404M		
			2 8	
8080A	42001	7700201	3 8	L
8085A		7901001	3 8	L
8086	53001		1 8	F
80C86		8405201	2 8	F
80C86-2		8405202	2 8	
8087		5962-8854702	2 8	
8087-2		5962-8854701	2 8	-
80C88		5962-8601601	3 8	
8088		5962-8768501	2 8	-
80960MC-16		5962-9094601M		
			2 8	
80960MC-20		5962-9094602M		
			2 8	
80960MC-25		5962-9094603M		
			2 8	
8097BH		5962-8959601	2 8	
8097		8506301	2 8	-
8155		5962-8759301	2 6	-
8156		5962-8759302	2 6	-
82S100	50202		1 7	F
82S101	50201		1 7	F
82S105		5962-8670901	2 7	-
82S105		5962-8670902	2 7	
ICL8211		5962-8984201	2 24	
82S115	20803		1 7	F
8212	42101		4 8	-
ICL8212		5962-8984202	2 24	
82S123A	20704		1 7	F
82S126A	20303		1 7	F
82S129A	20304		1 7	F
82S129A		5962-8778801	2 7	F
82S129A		5962-8778802	2 7	F
82S130A	20403		1 7	F
82S131A	20404		1 7	F
82S137A	20604		1 7	F
82S153A		5962-8768201	2 7	-
82S16		8602301	3 6	-
82S185A	20910		1 7	F
82188		5962-8767201	2 8	-
DAC8221A		5962-8967101	2 16	
DAC8222A		5962-8967201	2 16	
82S23A	20703		1 7	F
8224	42201		4 13	-
82S2708	20905		3 7	F
8228	42301		4 8	-
82C284-10		5962-8773401	2 8	-
82C284-6		5962-8773403	2 8	-
82C284-8		5962-8773402	2 8	-
82288-6		5962-8514901	2 8	-
82288-8		5962-8514902	2 8	-
82HS321A	21101		1 7	F
82380		5962-8959301	2 8	
82384-12		5962-8766902	2 8	-
82384-16		5962-8766901	2 8	-
8250	15204		4 4	-
8251	15205		4 4	-
8251A		5962-8754801	2 8	F
8251A		5962-8754802	3 8	F
82510		5962-8972501	2 8	
8252	15206		4 4	-
82C52		8501501	2 8	-
8253		5962-8752001	2 8	-
8253		5962-8752002	2 8	-
8253-5		5962-8752003	2 8	-
82C54		8406501	2 8	-
8255A		5962-8757001	2 8	-
82C55A		8406602	2 8	-
8255A-5		5962-8757002	2 8	-
82C55A-5		8406601	2 8	-
82C59A		5962-8501602	2 8	-
8259A		5962-8751801	2 8	F
82C59A-5		5962-8501601	2 8	-
82S62		5962-8754301	3 4	-
82720		5962-8608801	2 8	-
8274		5962-8771301	2 8	-
HI8282		5962-8688002	2 24	
82C82		8406701	2 13	-
8282		8417901	3 3	-
8282		8417903	2 3	-
82C83		8406702	2 13	-
8283		8417902	3 3	-
8283		8417904	2 3	-
82C84A		8406801	2 13	-
8286		5962-8686801	2 13	F
82C86H-5		5962-8757701	2 13	-
8287		5962-8686802	2 13	-
82C87H-5		5962-8757702	2 13	-
82C88		8406901	2 8	-
82C89		5962-8552801	2 8	-
PA83M/883		5962-9162101H		
			2 9	
8X305		8550201	2 8	-
8X305-10		8550202	2 8	-
8X320		5962-8550301	2 8	-
83C451		5962-8972602M		
			2 8	
8X350		5962-8605201	2 6	-
8X371		5962-8757601	2 8	-
8X376		5962-8685101	2 8	-
8397		8552001	2 8	-
PA84M		5962-9073601H		
			2 9	
DAC-8408A		5962-8967801	2 16	
DAC-8408B		5962-8967802	2 16	
Z8420A		8418601	2 8	-
Z8420		8418602	2 8	-
Z84C2006		5962-8951401	2 8	
Z8430A		8301601	2 8	-
Z8430		8301602	2 8	-
Z84C3006		5962-8951501	2 8	
Z8442A		8301501	2 8	-
Z8442		8301502	2 8	-
Z84C4206		5962-8951601	2 8	
Z85C3006SCC	48601	5962-8868901	1 8	
85C3008SCC	48602	5962-8868902	1 8	
AM85C30-10		5962-8868903	2 8	
AM85C30-12		5962-8868904	2 8	
AM85C30-16		5962-8868905	2 8	
AM85C30-8		5962-8868906	2 8	
Z8536		8300101	2 8	-
Z8536A		8300102	2 8	-
BUS-8553		5962-8604905	3 13	
DAC87	13701		2 16	-
DAC87	13702		2 17	-
DAC87	13703		2 16	-
DAC87		8300201	1 16	-
DAC87		8300301	2 17	-
SP8718		5962-8861701	2 5	
87C51		5962-8768401M		
			2 8	-
8751H		8419002	2 8	-
87C51-16		5962-8768402M		
			2 8	
87C51FB-16		5962-9056402	2 8	
8751H-8		8419001	2 8	-
87C541		5962-9056401	2 8	
SP8755		5962-8868401	2 5	
8797BH		5962-8680901	2 8	
88C681		5962-8953201	2 13	
88C681		5962-8953202	2 13	
HSDC-8915A		5962-9055401	2 24	

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Generic Industry Number	MIL-M-38510/	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
HSDC-8915		5962-9055402	2	24
HSDC-8920A		5962-8768701	2	22
HSDC-8920		5962-8768702	2	22
AD9012S		5962-8965401	2	17
AD9012T		5962-8965402	2	17
ADC-908A		5962-8961601	2	17
ADC-908B		5962-8961602	2	17
9093	03304		4	3 -
AM9130AFC	23702		4	6 -
AM9130AFM	23704		4	6 -
AM9130CFC	23701		4	6 -
AM9130CFM	23703		4	6 -
AM91L30AF	23706		4	6 -
AM91L30AFM	23708		4	6 -
AM91L30CF	23705		4	6 -
AM91L30CFM	23707		4	6 -
AM9140AFC	23710		4	6 -
AM9140AFM	23712		4	6 -
AM9140CFC	23709		4	6 -
AM9140CFM	23711		4	6 -
AM91L40AFC	23714		4	6 -
AM91L40AFM	23716		4	6 -
AM91L40CFC	23713		4	6 -
AM91L40CFM	23715		4	6 -
9150-25		5962-8759201	2	6 -
9150-35		5962-8759202	2	6 -
9150-45		5962-8759203	2	6 -
930	03001		3	1 L
9300	15901		4	5 -
93L00	02804		3	5 L
93L01	02907		4	4 -
9304	00603		3	4 L
9308	01503		3	3 L
93L08	04502		4	3 -
9309	01404		3	4 L
93L09	04601		4	4 -
93L10	02504		4	5 -
9312	01402		3	4 L
93L12	04602		4	4 -
9314	01504		3	3 L
93L14	04501		4	3 -
93L16	02505		4	5 -
93S16		5962-8672701	3	5 -
9317	15802		4	4 -
9318	15603		4	4 -
93L18	04301		4	4 -
932	03101		4	2 -
9321	15801		4	4 -
93L22	04603		4	4 -
9324	15002		3	4 L
93L24	04401		4	4 -
HS9324		5962-8862901	2	16
9328	15902		4	5 -
93L28	02803		3	5 L
933	03105		4	2 -
9334	16001		4	3 -
9338	15701		4	5 -
93410	23001		4	6 -
93411	23003		4	6 -
93412	23109		3	6 -
93L412	23111		3	6 -
93415	23101		3	6 -
93415	23105		3	6 -
93415	23107		3	6 -
93L415	23103		3	6 F
93417	20301		1	7 L
93419	23201		3	6 -
93L420	23004		4	6 -
93421	23002		4	6 -
93422	23110		3	6 F
93422A	23114		3	6 F
93L422	23112		3	6 F
93L422A	23115		3	6 F
93425	23102		3	6 F
93425	23106		3	6 F
93425A	23108		3	6 F
93L425	23104		3	6 F
93L425A	23113		3	6 F
93427	20302		1	7 L
93Z451	20909		1	7 -
93Z460	20906		3	7 -
93470	23301		4	6 L
93471	23302		4	6 L
93S48		5962-8672601	2	4 -
MIC935	03002		3	1 L
93Z510	21003		3	7 -
93Z511	21002		1	7 F
936	03003		3	1 L
93Z665-45	21204		1	7 -
93Z665-50	21203		1	7 -
93Z665-55	21202		1	7 -
93Z665-70	21201		1	7 -
HS9403-16		5962-8851402	2	22
HS9403-8		5962-8851401	2	22
944	03102		4	2 -
945	03301		4	3 -
F9450-15		8416901	2	8 -
F9450-F15		8416904	2	8
F9450-F18		8416902	2	8
F9450-F20		8416903	2	8 -
946	03004		3	1 L
948	03302		4	3 -
950	03303		4	3 -
951	03201		4	3 -
9513A		5962-8552301	2	8 -
9517A		5962-8757501	2	8 -
9517A-4		5962-8757502	2	8 -
9519A		5962-8759701	2	8 -
957	03103		4	2 -
HS9576S		5962-9079501H	1	17
HS9576T		5962-9079502H	1	17
958	03104		4	2 -
9601	01204		3	3 L
9602	01205		3	3 L
9614	10403		1	13 F
9615	10404		1	13 F
96F172		5962-9076501M	2	13
96F173		5962-9076602M	2	13
96F174		5962-9076502M	2	13
96F175		5962-9076601M	2	13
962	03005		3	1 L
9622		5962-8752201	3	13 -
9636A		5962-8752301	2	13
9637A		5962-8752401	2	13 -
9638		5962-8754601	2	13 -
96685		8600804	2	10 -
AD96687		7801903	2	10
OP-97		5962-8954401	2	9
HS9716		5962-8956601H	1	20
9900A	46001		4	8 -
9914A		5962-8751901	3	8 -
SBP9989	46501		3	8 -

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MIL-M-38510/	Generic Industry Number	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
00101	5430		3 1	L
00102	5420		3 1	L
00103	5410		3 1	L
00104	5400		3 1	L
00105	5404		3 1	L
00106	5412		3 1	L
00107	5401		3 1	L
00108	5405		3 1	L
00109	5403		3 1	L
00201	5472		3 3	L
00202	5473		3 3	L
00203	54107		3 3	L
00204	5476		3 3	L
00205	5474		3 3	L
00206	5470		3 3	L
00207	5479		3 3	L
00301	5440		3 2	L
00302	5437		3 2	L
00303	5438		3 2	L
00401	5402		3 1	L
00402	5423		3 1	L
00403	5425		3 1	L
00404	5427		3 1	L
00501	5450		3 1	L
00502	5451		3 1	L
00503	5453		3 1	L
00504	5454		3 1	L
00601	5482		3 4	L
00602	5483		3 4	L
00603	9304		3 4	L
00604	5480		3 4	L
00701	5486		3 1	L
00801	5406		1 2	F
00802	5416		3 2	L
00803	5407		1 2	F
00804	5417		3 2	L
00805	5426		3 2	L
00901	5495		3 5	L
00902	5496		3 5	L
00903	54164		3 5	L
00904	54165		3 5	L
00905	54194		3 5	L
00906	54195		3 5	L
01001	5442		3 4	L
01002	5443		4 4	-
01003	5444		4 4	-
01004	5445		3 4	L
01005	54145		3 4	L
01006	5446		3 4	L
01007	5447		3 4	L
01008	5448		3 4	L
01009	5449		4 4	-
01101	54181		3 4	L
01102	54182		3 4	L
01201	54121		3 3	L
01202	54122		3 3	L
01203	54123		3 3	L
01204	9601		3 3	L
01205	9602		3 3	L
01301	5492		3 5	L
01302	5493		3 5	L
01303	54160		3 5	L
01304	54163A		3 5	L
01305	54162		3 5	L
01306	54161		3 5	L
01307	5490		3 5	L
01308	54192		3 5	L
01309	54193		3 5	L
01401	54150		3 4	L
01402	9312		3 4	L
01403	54153		3 4	L
01404	9309		3 4	L
01405	54157		3 4	L
01406	54151		3 4	L
01501	5475		3 3	L
01502	5477		3 3	L
01503	9308		3 3	L
01504	9314		3 3	L
01601	5408		3 1	L
01602	5409		3 1	L
01701	54174		3 3	L
01702	54175		3 3	L
01801	54170		4 5	-
01901	54180		3 4	L
02001	54L30		3 1	L
02002	54L20		3 1	L
02003	54L10		3 1	L
02004	54L00		3 1	L
02005	54L04		3 1	L
02006	54L03		3 1	L
02101	54L71		3 3	L
02102	54L72		3 3	L
02103	54L73		3 3	L
02104	54L78		3 3	L
02105	54L74		3 3	L
02201	54H72		4 3	L
02202	54H73		4 3	L
02203	54H74		4 3	L
02204	54H76		4 3	L
02205	54H101		4 3	L
02206	54H103		3 3	L
02301	54H30		3 1	L
02302	54H20		3 1	L
02303	54H10		3 1	L
02304	54H00		3 1	L
02305	54H04		3 1	L
02306	54H01		3 1	L
02307	54H22		3 1	L
02401	54H40		3 2	-
02501	54L90		3 5	L
02502	54L93		3 5	L
02503	54L193		3 5	L
02504	93L10		4 5	-
02505	93L16		4 5	-
02601	54L86		3 1	L
02701	54L02		3 1	L
02801	54L95		3 5	L
02802	54L164		3 5	L
02803	93L28		3 5	L
02804	93L00		3 5	L
02805	76L70		3 5	L
02901	54L42		4 4	-
02902	54L43		4 4	-
02903	54L44		4 4	-
02904	54L46		4 4	-
02905	54L47		4 4	-
02906	76L42A		4 4	-
02907	93L01		4 4	-
03001	930		3 1	L
03002	MIC935		3 1	L
03003	936		3 1	L
03004	946		3 1	L
03005	962		3 1	L
03101	932		4 2	-
03102	944		4 2	-
03103	957		4 2	-
03104	958		4 2	-
03105	933		4 2	-
03201	951		4 3	-
03301	945		4 3	-
03302	948		4 3	-
03303	950		4 3	-
03304	9093		4 3	-
03501	MMH0026	7800802	4 13	L
04001	54H50		4 1	-
04002	54H51		4 1	-
04003	54H53		4 1	-
04004	54H54		4 1	-
04005	54H55		4 1	-
04101	54L51		4 1	-
04102	54L54		4 1	-
04103	54L55		4 1	-
04201	54L121		4 3	-
04202	54L122		4 3	-
04301	93L18		4 4	-
04401	93L24		4 4	-
04501	93L14		4 3	-
04502	93L08		4 3	-
04601	93L09		4 4	-
04602	93L12		4 4	-
04603	93L22		4 4	-
05001	4011A		3 1	L
05002	4012A		3 1	L
05003	4023A		3 1	L
05051	4011B		3 1	P
05052	4012B		3 1	P
05053	4023B	7901301	3 1	P
05101	4013A		3 3	L
05102	4027A		3 3	L
05103	4043A		3 3	L
05151	4013B		3 3	P
05152	4027B		3 3	P
05153	4043B		3 3	-
05201	4000A		3 1	L
05202	4001A		3 1	L
05203	4002A		3 1	L
05204	4025A		3 1	L
05251	4000B		3 1	-
05252	4001B		3 1	P
05253	4002B		3 1	P
05254	4025B		3 1	P
05301	4007A		3 1	L
05302	4019A		3 1	L
05303	4030A		3 1	L
05304	4048A		3 1	L
05351	4007UB		3 1	P
05352	4019B		3 1	P
05353	4030B		3 1	F
05354	4048B		3 1	-
05401	4008A		3 4	L
05451	4008B		3 4	P
05501	4009A		3 2	L
05502	4010A		3 2	L
05503	4049A		3 2	L
05504	4050A		3 2	L
05505	4041A		3 2	L
05551	4009UB		3 2	-
05552	4010B		3 2	-
05553	4049UB	7901401	3 2	P
05554	4050B		3 2	P
05555	4041UB		3 2	F
05601	4017A		3 5	L

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MIL-M-38510/	Generic Industry Number	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
05602	4018A		3 5	L
05603	4020A		3 5	L
05604	4022A		3 5	L
05605	4024A		3 5	L
05651	4017B		3 5	P
05652	4018B		3 5	F
05653	4020B		3 5	P
05654	4022B		3 5	P
05655	4024B		3 5	P
05701	4006A		3 5	L
05702	4014A		3 5	L
05703	4015A		3 5	L
05704	4021A		3 5	L
05705	4031A		3 5	L
05706	4034A		3 5	L
05751	4006B		3 5	-
05752	4014B		3 5	P
05753	4015B		3 5	P
05754	4021B	7901201	3 5	P
05755	4031B		3 5	-
05756	4034B		3 5	-
05801	4016A		3 18	L
05802	4066A		3 18	L
05851	4016B		3 18	F
05852	4066B		3 18	P
05901	4028A		3 4	L
05951	4028B		3 4	P
06001	10501		1 1	F
06002	10502		1 1	F
06003	10505		1 1	F
06004	10506		1 1	F
06005	10507		1 1	F
06006	10509		1 1	F
06101	10531		1 3	F
06102	10631		1 3	F
06103	10576		1 3	F
06104	10535		1 3	F
06201	10504		1 1	F
06202	10597		1 1	F
06301	10524		1 2	F
06302	10525		1 2	F
07001	54S00		3 1	L
07002	54S03		3 1	L
07003	54S04		3 1	L
07004	54S05		3 1	L
07005	54S10		3 1	L
07006	54S20		3 1	L
07007	54S22		3 1	L
07008	54S30		3 1	L
07009	54S133		3 1	L
07010	54S134		4 1	-
07101	54S74		3 3	L
07102	54S112		3 3	L
07103	54S113		3 3	L
07104	54S114		3 3	L
07105	54S174		3 3	L
07106	54S175		3 3	L
07201	54S40		3 2	L
07301	54S02		3 1	L
07401	54S51		3 1	L
07402	54S64		3 1	L
07403	54S65		4 1	L
07501	54S86		3 1	L
07502	54S135		4 1	L
07601	54S194	7604001	3 5	L
07602	54S195		4 5	-
07701	54S138	7604101	3 4	L
07702	54S139	7700401	3 4	L
07801	54S181		3 4	L
07802	54S182		3 4	L
07901	54S151		3 4	L
07902	54S153		3 4	L
07903	54S157		3 4	L
07904	54S158		3 4	L
07905	54S251	8002201	3 4	L
07906	54S257		3 4	L
07907	54S258	8002301	3 4	L
07908	54S253		3 4	L
08001	54S11		3 1	L
08002	54S15		4 1	-
08003	54S08		3 1	L
08004	54S09		4 1	-
08101	54S140		1 13	F
08201	54S85		3 4	L
10101	741A		1 9	F
10102	747A		1 9	F
10103	LM101A		1 9	F
10104	LM108A		1 9	F
10105	LH2101A		1 9	F
10106	LH2108A		1 9	F
10107	LM118		1 9	F
10108	1558		1 9	F
10201	723		1 12	F
10301	710		3 10	L
10302	711		3 10	L
10303	LM106	8003701	3 10	L
10304	LM111	5962-8687701	1 10	F
10305	LH2111		1 10	F
10306	LM119	8601401	1 10	-
10307	LT119A	8601402	1 10	-
10401	55107		1 13	F
10402	55108		1 13	F
10403	9614		1 13	F
10404	9615		1 13	F
10405	55113		1 13	F
10406	7831	8004101	2 13	F
10407	7832	8004102	2 13	F
10501	5040	8100601	1 18	F
10502	5041	8100602	1 18	F
10503	5042	8100603	1 18	F
10504	5043		1 18	F
10505	5044	8100605	1 18	F
10506	5045		1 18	
10507	IH5046	8100607	2 18	-
10508	IH5047	8100608	2 18	-
10601	LM102		2 9	-
10602	LM110	5962-8760601	2 9	-
10603	LM2110		3 9	L
10701	LM109	5962-8777401	1 12	F
10702	LM140H-05		1 12	F
10703	LM140H-12		1 12	F
10704	LM140H-15		1 12	F
10705	LM140H-24		2 12	-
10706	LM140K-05		1 12	-
10707	LM140K-12		1 12	-
10708	LM140K-15		1 12	-
10709	LM140K-24		1 12	-
10801	3018A		3 9	L
10802	3045		1 13	F
10901	555		1 14	F
10902	556		1 14	F
10903	555		3 14	L
11001	LM148		1 9	F
11002	LM149		2 9	-
11003	4741		1 9	F
11004	4136		1 9	F
11005	LM124	7704301	1 9	F
11006	LM124A	7704302	1 9	
11101	DG181A		1 18	F
11102	DG182A		1 18	F
11103	DG184A		1 18	F
11104	DG185A		1 18	F
11105	DG187A		1 18	F
11106	DG188A		1 18	F
11107	DG190A		1 18	F
11108	DG191A		1 18	F
11201	LM139	7700801	1 10	F
11202	LM193		1 10	F
11301	DAC-08		1 16	F
11302	DAC-08A		1 16	F
11401	LF155		1 9	F
11402	LF156		1 9	F
11403	LF157		1 9	F
11404	LF155A		1 9	F
11405	LF156A		1 9	F
11406	LF157A		1 9	F
11601	300		1 18	F
11602	301		1 18	F
11603	302		1 18	F
11604	303		1 18	F
11605	304		1 18	F
11606	305		1 18	F
11607	306		1 18	F
11608	307		1 18	F
11701	78MG		3 12	L
11702	78G		3 12	L
11703	LM117H	7703401	1 12	F
11704	LM117K		1 12	F
11705	LM150K		1 12	-
11706	LM138K		1 12	F
11801	79MG		3 12	L
11802	79G		3 12	L
11803	LM137H	7703403	1 12	F
11804	LM137K		1 12	F
11901	061	8102301	2 9	-
11902	062	8102302	2 9	-
11903	064	8102303	2 9	-
11904	071	8102304	1 9	-
11905	072	8102305	1 9	-
11906	074	8102306	1 9	-
12001	5200	5962-8958301	2 17	
12002	5203	5962-8958302	2 17	
12003	5201		2 17	
12004	5204	5962-8958304	2 17	
12005	5202	5962-8958305	2 17	
12006	5205	5962-8958306	2 17	
12007	5206	5962-8958307	2 17	
12008	5207		2 17	-
12009	5210	5962-8958401	2 17	
12010	5213	5962-8958402	2 17	
12011	5211	5962-8958403	2 17	
12012	5214	5962-8958404	2 17	
12013	5212	5962-8958405	2 17	
12014	5215	5962-8958406	2 17	
12015	5216		2 17	
12016	5217		2 17	-
12101	562	8100801	1 16	F
12102	563	8100802	2 16	-
12103	565		1 16	F
12104	566		2 16	-
12201	2700		3 9	L
12202	2600		1 9	F
12203	2620		1 9	F
12204	2500		1 9	F
12205	2510		1 9	F
12206	2520		1 9	F
12207	OP44A		2 9	

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MIL-M-38510/	Generic Industry Number	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
12208	OP-42	5962-8851301	2 9	-
12301	200		1 18	-
12302	201	7705301	1 18	F
12401	LM199A	5962-8856101	2 19	-
12402	LM129A	5962-8992101	2 19	-
12403	REF10A	5962-8947901	2 19	
12404	LM199	5962-8856102	2 19	-
12405	LM199A-20		2 19	-
12406	LM129B	5962-8992102	2 19	-
12407	10215		2 19	
12408	10217		2 19	
12409	102110		2 19	
12501	198	5962-8760801	1 20	F
12502	5537		2 20	-
12601	1524	7802801	1 12	-
12602	1525A	5962-8951101	1 12	-
12603	1526	8551501	1 12	-
12604	1527A	5962-8951102	1 12	-
12701	7523		2 16	-
12702	7520		1 16	F
12703	7521		1 16	F
12704	7541		2 16	F
12705	1020		3 16	L
12706	1220		3 16	L
12707	1218		3 16	L
12801	584S		1 19	F
12802	584T		1 19	F
12901	55450		3 13	-
12902	55451		1 13	F
12903	55452	7704901	1 13	F
12904	55453		1 13	F
12905	55454	5962-8871501	1 13	F
12906	55460		3 13	-
12907	55461		1 13	F
12908	55462		1 13	F
12909	55463		1 13	F
12910	55464	5962-8871502	2 13	-
13001	55325		1 15	F
13002	55326		1 15	F
13003	55327		2 15	F
13101	5534A		1 9	F
13102	5532A		1 9	F
13301	561		1 16	F
13401	AD571	5962-8680202	2 17	-
13501	OP-07A	8203601	1 9	F
13502	714		1 9	F
13503	OP-27A		1 9	F
13504	OP-227A	5962-8688701	2 9	-
13505	OP-37A	5962-8853701	2 9	-
13601	R675B-4		2 19	-
13602	R675B-3		2 19	-
13701	DAC87		2 16	-
13702	DAC87		2 17	-
13703	DAC87		2 16	-
13801	VFC32		2 24	-
13802	VFC320		2 24	-
13803	AD650		2 17	-
13901	534T		1 24	F
13902	534S		1 24	F
13903	532S		1 24	F
13904	4213		2 24	F
14003	574AU		2 17	-
14004	574AT		2 17	-
14005	674AU		2 17	-
14006	674AT		2 17	-
14101	2001		1 13	F
14102	2002		1 13	F
14103	2003		1 13	F
14104	2004		1 13	F
14105	2005		1 13	F
14106	2801		1 13	F
14107	2802		1 13	F
14108	2803	5962-8605801	1 13	F
14109	2804		1 13	F
14110	2805		1 13	F
14201	HTC-0300		2 20	-
14301	AD524S	5962-8853901	2 9	-
14401	AD558T	5962-8778902	2 16	-
14801	TL431	8410901	1 12	F
14901	TLC555	5962-8950301	2 14	
14902	TLC556	5962-8950302	2 14	
14903	7555	5962-8950303	2 14	
14904	7556	5962-8950304	2 14	
14905	555LV		2 14	
15001	5485		3 4	L
15002	9324		3 4	L
15101	5413		3 1	L
15102	5414		3 1	L
15103	54132		3 1	L
15201	54154		4 4	-
15202	54155		4 4	-
15203	54156		4 4	-
15204	8250		4 4	-
15205	8251		4 4	-
15206	8252		4 4	-
15301	54125		3 2	L
15302	54126		3 2	L
15601	54147		4 4	-
15602	54148		4 4	-
15603	9318		4 4	-
15701	9338		4 5	-
15801	9321		4 4	-
15802	9317		4 4	-
15901	9300		4 5	-
15902	9328		4 5	-
16001	9334		4 3	-
16101	5432		3 1	L
16201	5428		4 2	-
16301	54365		3 2	L
16302	54366		3 2	L
16303	54367		3 2	L
16304	54368		3 2	L
17001	4081B	7702401	3 1	P
17002	4082B	7705901	3 1	P
17003	4973B		3 1	
17101	4071B		3 1	P
17102	4072B	7706001	3 1	P
17103	4075B		3 1	P
17201	4085B		3 1	F
17202	4086B		3 1	F
17203	4070B		3 1	P
17204	4077B		3 1	P
17301	4514B	7703501	3 3	-
17302	4515B	7703201	3 4	-
17303	4532B		3 4	-
17304	4555B	7704701	3 4	-
17305	4556B	7704801	3 4	-
17401	4069UB	7702701	3 1	P
17402	40107B		3 2	-
17403	4502B		3 2	P
17404	40109B		3 2	-
17501	4076B		3 5	-
17502	4095B		3 3	-
17503	4096B		3 3	-
17504	4098B	7705501	3 3	F
17505	40174B	8202201	3 3	-
17601	4099B		3 3	P
17602	4508B		3 3	-
17701	4093B		3 1	P
17702	40106B		3 1	-
17801	4067B		3 18	-
17802	4097B		3 18	-
17803	40257B		3 4	-
19001	506		1 18	F
19002	506A	5962-8513101	1 18	-
19003	507		1 18	F
19004	507A	5962-8513102	1 18	-
19005	508A		1 18	
19006	509A	5962-8513103	1 18	-
19007	508	7705201	1 18	F
19008	509		1 18	F
20101	HPROM-512		4 7	-
20102	MCM5304		4 7	-
20201	IM5603A		4 7	-
20202	IM5623		4 7	-
20301	93417		1 7	L
20302	93427		1 7	L
20303	82S126A		1 7	F
20304	82S129A		1 7	F
20401	5305-1		1 7	-
20402	5306-1		1 7	-
20403	82S130A		1 7	F
20404	82S131A		1 7	F
20601	54S572		2 7	L
20602	7643		1 7	L
20603	7644		3 7	-
20604	82S137A		1 7	F
20701	7602		1 7	L
20702	7603		1 7	L
20703	82S23A		1 7	F
20704	82S123A		1 7	F
20801	7640		3 7	L
20802	7641		1 7	F
20803	82S115		1 7	F
20804	5348-1		3 7	-
20805	5349-1		3 7	-
20901	7684		3 7	L
20902	53S841		1 7	-
20903	7680		3 7	L
20904	7681		3 7	L
20905	82S2708		3 7	F
20906	93Z460		3 7	-
20908	29651		1 7	-
20909	93Z451		1 7	-
20910	82S185A		1 7	F
21001	77S190		3 7	-
21002	93Z511		1 7	F
21003	93Z510		3 7	-
21004	28S166A		1 7	-
21005	76165		1 7	L
21101	82HS321A		1 7	F
21102	53S3281		1 7	-
21103	29671		2 7	-
21201	93Z665-70		1 7	-
21202	93Z665-55		1 7	-
21203	93Z665-50		1 7	-
21204	93Z665-45		1 7	-
21901	6654		4 7	-
22001	2708		4 7	-
22101	2716		4 7	-
22201	2532		4 7	
22401	27256-250	8411102	1 7	F
22402	27256-200	8411103	1 7	F
22403	27256-170	8411104	2 7	-
22601	NMC2816		4 7	-
22701	X2816A-45		3 7	F
22702	X2816A-35		3 7	F

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MIL-M-38510/	Generic Industry Number	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
22703	X2816A-30		3 7	F
22704	X2816A-25		3 7	F
22801	X2864A-45		3 7	-
22802	X2864A-35		3 7	-
22803	X2864A-30		3 7	F
22804	X2864A-25		3 7	-
22805	X2864A-35		3 7	
22806	X2864A-25		3 7	
22807	2864-350		1 7	F
22808	2864-250		1 7	F
22809	2864H-250		1 7	F
22810	5564-250		3 7	-
22811	5564-250		3 7	-
23001	93410		4 6	-
23002	93421		4 6	-
23003	93411		4 6	-
23004	93L420		4 6	-
23101	93415		3 6	-
23102	93425		3 6	F
23103	93L415		3 6	F
23104	93L425		3 6	F
23105	93415		3 6	-
23106	93425		3 6	F
23107	93415		3 6	-
23108	93425A		3 6	F
23109	93412		3 6	-
23110	93422		3 6	F
23111	93L412		3 6	-
23112	93L422		3 6	F
23113	93L425A		3 6	F
23114	93422A		3 6	F
23115	93L422A		3 6	F
23201	93419		3 6	-
23301	93470		4 6	L
23302	93471		4 6	L
23501	TMS4060		4 6	-
23502	TMS4050		4 6	-
23503	TMS4060		4 6	-
23504	TMS4050		4 6	-
23505	MM5280		4 6	-
23506	MM5280		4 6	-
23601	MCM6605		4 6	-
23602	MCM6604A		4 6	-
23603	MCM6605		4 6	-
23604	MCM6604A		4 6	-
23701	AM9130CFC		4 6	-
23702	AM9130AFC		4 6	-
23703	AM9130CFM		4 6	-
23704	AM9130AFM		4 6	-
23705	AM91L30CF		4 6	-
23706	AM91L30AF		4 6	-
23707	AM91L30CFM		4 6	-
23708	AM91L30AFM		4 6	-
23709	AM9140CFC		4 6	-
23710	AM9140AFC		4 6	-
23711	AM9140CFM		4 6	-
23712	AM9140AFM		4 6	-
23713	AM91L40CFC		4 6	-
23714	AM91L40AFC		4 6	-
23715	AM91L40CFM		4 6	-
23716	AM91L40AFM		4 6	-
23801	2147		1 6	F
23802	2114		3 6	-
23803	2147H		1 6	F
23804	2114A		3 6	-
23805	2147H-3		1 6	F
23806	2148H		1 6	F
23807	2147H-2		1 6	F
23901	6508		4 6	-
23902	6518		4 6	-
24001	2117		3 6	L
24002	2117		3 6	L
24003	4116		3 6	L
24004	45H16		3 6	
24005	45H16		3 6	
24401	6665		3 6	L
24402	6665		3 6	L
24403	6665		3 6	L
24501	6504		1 6	-
24502	6514		1 6	
24503	6504RH		1 6	
24504	6514RH		1 6	
24505	CMM5104		2 6	
24506	CMM5114		2 6	
24601	M41256P-12		1 6	-
24602	M41256P-15		1 6	-
24603	M41256N-12		1 6	-
24604	M41256N-15		1 6	-
24901	411024-80		1 6	-
24902	411024-100		1 6	-
24903	411024-120		1 6	-
24904	4C1024-150		1 6	-
25001	MKB4501-81		3 8	F
25002	MKB4501-80		3 8	F
25003	MKB4501-88		3 8	-
26001	28C64-350		1 7	-
26002	28C64-300		1 7	-
26003	28C64-250		1 7	-
26004	28C64-200		1 7	-
26005	55C64-250		2 7	-
26006	28C65-250		1 7	-
26007	28C65-350		1 7	-
26103	28C256-250		1 7	
26106	28C256-250		2 7	
26107	28C256-350		2 7	
26108	28C256-300		2 7	
26109	28C256-250		2 7	
26110	28C256-200		2 7	
26111	28C256-150		2 7	
26112	28C256-250		2 7	
26501	(SEE SPEC)		2 7	
26502	(SEE SPEC)		2 7	
26503	(SEE SPEC)		2 7	
26504	(SEE SPEC)		2 7	
26505	(SEE SPEC)		2 7	
26506	(SEE SPEC)		2 7	
26507	(SEE SPEC)		2 7	
26508	(SEE SPEC)		2 7	
26509	(SEE SPEC)		2 7	
26510	(SEE SPEC)		2 7	
27401	27HC64-170		3 7	-
27402	27HC64-155		3 7	-
27501	27C64-350	8510202	2 7	-
27502	27C64-250		2 7	-
27503	27C64-200		2 7	-
27601	27C256-250		3 7	-
27602	27C256-200		3 7	-
28901	7C147		1 6	
28902	7C148		1 6	-
28903	2147		1 6	F
28904	2148		1 6	-
29101	6116		2 6	F
29102	6516		1 6	F
29103	65262		1 6	F
29104	6116		1 6	F
29105	6116		2 6	F
29106	51C67		2 6	-
29107	65C262RH		2 6	
29108	65T262RH		2 6	
29109	65262		1 6	
29110	65162		1 6	-
29201	7187S55		2 6	-
29202	7187S45		2 6	-
29203	7187L55		2 6	-
29204	7187L70		2 6	-
29205	65642		1 6	F
29206	65643		2 6	-
29301	7C197		1 6	
29302	7C197		1 6	
29303	7C194		1 6	
29304	7C194		1 6	
29305	7C196		2 6	
29306	7C196		2 6	
29307	7C198		1 6	
29308	7C198		1 6	
29309	7C198		1 6	
29310	7C197		1 6	
29311	7C194		1 6	
29312	MT5C2565		1 6	
29313	7C198		1 6	
29314	MT5C2565		1 6	
29315	MT5C2565		1 6	
29316	7C196		2 6	
30001	54LS00		1 1	P
30002	54LS03		1 1	P
30003	54LS04		1 1	P
30004	54LS05		1 1	P
30005	54LS10		1 1	P
30006	54LS12		1 1	P
30007	54LS20		1 1	P
30008	54LS22		1 1	P
30009	54LS30		1 1	P
30101	54LS73		1 3	F
30102	54LS74A		1 3	F
30103	54LS112		1 3	F
30104	54LS113		1 3	P
30105	54LS114		1 3	F
30106	54LS174		1 3	
30107	54LS175		1 3	
30108	54LS107		1 3	F
30109	54LS109		1 3	F
30110	54LS76A	7601301	1 3	F
30201	54LS40		1 2	F
30202	54LS37		1 2	P
30203	54LS38		1 2	P
30204	54LS28		1 2	P
30301	54LS02		1 1	P
30302	54LS27		1 1	P
30303	54LS266		1 1	P
30401	54LS51		1 1	P
30402	54LS54		1 1	P
30501	54LS32		1 1	P
30502	54LS86		1 1	P
30601	54LS194A		1 5	P
30602	54LS195A		1 5	P
30603	54LS95B		1 5	P
30604	54LS96		1 5	F
30605	54LS164		1 5	P
30606	54LS295B		1 5	F
30607	54LS395A		1 5	P
30608	54LS165A	7700601	1 5	F
30609	54LS166	8001701	1 5	F
30701	54LS138	7600501	1 4	P
30702	54LS139	7600701	1 4	P
30703	54LS42	7603101	1 4	P
30704	54LS47	7604501	1 4	F
30801	54LS181		1 4	P
30901	54LS151	7601001	1 4	P

MILITARY PARTS
Cross Reference SORTED BY MIL-M-38510/ (Cont'd)

MIL-M-38510/	Generic Industry Number	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
30902	54LS153	7601101	1 4	P
30903	54LS157	7600201	1 4	P
30904	54LS158	7603301	1 4	P
30905	54LS251	7601601	1 4	P
30906	54LS257B	7603701	1 4	F
30907	54LS258B	7603801	1 4	F
30908	54LS253	7601701	1 4	P
30909	54LS298	7601901	1 4	P
31001	54LS11		1 1	P
31002	54LS15		1 1	F
31003	54LS21		1 1	P
31004	54LS08		1 1	P
31005	54LS09	8001901	1 1	P
31101	54LS85		1 4	P
31201	54LS83A	7601401	1 4	P
31202	54LS283	7604301	1 4	P
31301	54LS13		1 1	P
31302	54LS14		1 1	P
31303	54LS132	7600401	1 1	P
31401	54LS123	7603901	1 3	P
31402	54LS221	7604201	1 3	P
31403	54LS122	7600301	1 3	P
31501	54LS90	7603201	1 5	P
31502	54LS93	7700101	1 5	P
31503	54LS160A	7700901	1 5	F
31504	54LS161	7600801	1 5	F
31505	54LS168	8001801	2 5	-
31506	54LS169	8001802	2 5	F
31507	54LS192	7603601	1 5	P
31508	54LS193	7600601	1 5	P
31509	54LS191	7600901	1 5	P
31510	54LS92		1 5	P
31511	54LS162A		1 5	P
31512	54LS163A	7603401	1 5	P
31513	54LS190	7603501	1 5	P
31601	54LS75	7601201	1 3	P
31602	54LS279	7601801	1 3	P
31603	54LS259		1 3	P
31604	54LS375		1 3	F
31605	54LS259B		1 3	F
31801	54LS261	8002601	2 4	-
31901	54LS670	7704201	1 5	P
31902	54LS170	8002501	2 5	F
32001	54LS196	7701001	2 5	F
32002	54LS197	7601501	1 5	P
32003	54LS290		1 5	F
32004	54LS293		1 5	P
32102	54LS26	7602001	1 1	P
32201	54LS365		1 2	F
32202	54LS366		1 2	F
32203	54LS367		1 2	F
32204	54LS368		1 13	F
32301	54LS125A		1 2	P
32302	54LS126		1 2	P
32401	54LS240	7801201	1 2	P
32402	54LS241		1 2	P
32403	54LS244	7705701	1 2	P
32404	54LS540	8415501	1 2	F
32405	54LS541	8415601	1 2	F
32501	54LS273	7801001	1 3	P
32502	54LS373		1 3	P
32503	54LS374	7801101	1 3	P
32504	54LS377		1 3	F
32601	54LS155		1 4	P
32602	54LS156		1 4	P
32701	54LS390	7802601	1 5	P
32702	54LS393		1 5	P
32703	54LS490		1 5	F
32801	54LS242	8002001	1 13	P
32802	54LS243	8002002	1 13	P
32803	54LS245	8002101	1 13	P
32804	54LS646		2 13	-
32805	54LS648		2 13	-
32901	54LS280		1 4	P
33001	54F00		1 1	F
33002	54F04		1 1	F
33003	54F10		1 1	F
33004	54F20		1 1	F
33106	25LS174		2 3	F
33107	25LS175		2 3	F
33201	54F240		1 2	F
33202	54F241	5962-8687401	1 2	F
33203	54F244		1 2	F
33204	54F540		1 2	F
33301	54F02		1 1	F
33401	54F64		1 1	F
33501	54F32		1 1	F
33601	54F194	5962-8685001	1 5	F
33701	54F138		1 4	F
33702	54F139		1 4	F
33801	54F181		1 4	F
33802	54F182		1 4	F
33803	54F381	5962-8671001	1 4	F
33804	54F382		1 4	-
33901	54F151A		1 4	F
33902	54F153		1 4	F
33903	54F157A		1 4	F
33904	54F158A		1 4	F
33905	54F251A		1 4	F
33906	54F257A		1 4	F
33907	54F258A		1 4	F
33908	54F253		1 4	F
33909	54F352		1 4	F
33910	54F353		1 4	F
34001	54F08		1 1	F
34002	54F11		1 1	F
34101	54F074		1 3	F
34102	54F109		1 3	F
34103	54F112		1 3	F
34104	54F175		1 3	F
34105	54F374		1 3	F
34106	54F534		1 3	F
34107	54F174		1 3	F
34108	54F378	5962-8855501	2 5	-
34109	54F379		1 3	-
34110	54F574	5962-8972401	2 3	
34111	54F564		2 3	-
34201	54F283		1 4	F
34301	54F161A		1 5	F
34302	54F163A		1 5	F
34303	54F191		2 5	F
34304	54F193		1 5	F
34401	54F160A		1 5	F
34402	54F162A		1 5	F
34403	54F190		1 5	F
34404	54F192		1 5	F
34501	54F86		1 1	F
34601	54F373		1 3	F
34602	54F533		1 3	F
34603	54F563		1 3	F
34604	54F573		1 3	F
34701	54F521		1 4	F
34801	54F242		2 13	F
34802	54F243	5962-8683401	1 13	F
34803	54F245	8551101	1 13	F
34804	54F545		1 13	
34901	54F280		1 4	F
35001	54F398		1 4	F
35002	54F399		1 4	F
35101	54F365		1 2	F
35201	54F37		2 2	-
35202	54F38	5962-8687201	1 2	F
35203	54F40		2 2	-
36001	54LS148	7802701	1 4	P
36002	54LS348		1 4	F
36101	54LS173A		1 3	F
37001	54ALS00A	5962-8683301	1 1	F
37002	54ALS10	5962-8686501	1 1	F
37003	54ALS20A	5962-8858901	1 1	F
37004	54ALS30A	5962-8683701	1 1	F
37005	54ALS133	5962-8859001	1 1	F
37006	54ALS04B	5962-8684301	1 1	F
37101	54ALS74A	8401101	1 3	F
37102	54ALS109A	8400001	1 3	F
37103	54ALS112A	8400002	1 3	F
37104	54ALS574A	8400101	1 3	F
37105	54ALS576A	8400102	2 3	-
37106	54ALS874B	8401001	2 3	-
37107	54ALS876	8401002	2 3	-
37201	54ALS174	8301901	1 3	F
37202	54ALS175	8301902	1 3	F
37203	54ALS373	8302001	1 3	F
37204	54ALS374	8302002	1 3	F
37301	54ALS02	5962-8684401	1 1	F
37302	54ALS27	5962-8683801	1 1	F
37401	54ALS08	5962-8684201	1 1	F
37402	54ALS11	5962-8684101	1 1	F
37501	54ALS32	5962-8683601	1 1	F
37601	54ALS299	8302101	2 5	-
37602	54ALS323	8302102	2 5	-
37701	54ALS138	5962-8686601	1 4	F
37901	54ALS857A	5962-8753301	1 4	F
38001	54ALS161B	8302201	1 5	F
38002	54ALS163B	8302202	1 5	F
38003	54ALS169B	8302501	1 5	F
38004	54ALS561A	8302203	2 5	-
38005	54ALS569A	8302502	2 5	
38101	54ALS160		2 5	-
38102	54ALS162A	8407901	2 5	-
38103	54ALS168		2 5	-
38104	54ALS560		2 5	-
38105	54ALS568		2 5	-
38201	54ALS573	8401201	1 3	F
38202	54ALS580	8401202	2 3	-
38203	54ALS873	8403201	2 3	-
38204	54ALS880	8403202	2 3	-
38301	54ALS240A	5962-8859101	1 2	F
38302	54ALS241	5962-8859601	1 2	F
38303	54ALS244A	5962-8683901	1 2	F
38401	54ALS37		1 2	F
38402	54ALS1002		1 2	F
38403	54ALS1003		2 2	-
38404	54ALS1008A	8409701	2 2	-
38405	54ALS1010A	8406001	2 2	-
38406	54ALS1011		2 2	-
38407	54ALS1020		1 2	F
38408	54ALS1032		2 2	-
38409	54ALS1004	8406101	2 2	-
38410	54ALS1005		2 2	-
38411	54ALS1034	8403101	1 2	F
38412	54ALS1035	5962-8874201	2 2	-
38501	54ALS640A	5962-8872701	2 13	-
38502	54ALS641		2 13	-
38503	54ALS642		2 13	-
38504	54ALS643		2 13	-
38505	54ALS645A	8403301	1 13	-
38506	54ALS242B	8401301	2 13	-

MILITARY PARTS
Cross Reference SORTED BY MIL-M-38510/ (Cont'd)

MIL-M-38510/	Generic Industry Number	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
38507	54ALS243A	8401302	2 13	-
40001	6800		4 8	-
40101	MC6821		4 8	-
40201	6810		4 6	-
40301	6831B		4 7	-
42001	8080A	7700201	3 8	L
42101	8212		4 8	-
42201	8224		4 13	-
42301	8228		4 8	-
44001	2901C	8405701	4 8	-
44101	2905		4 13	-
44102	2906		4 13	-
44103	2907	5962-8770701	4 13	-
44104	2915		4 13	-
44105	2916		4 13	-
44106	2917		4 13	-
44201	2918	5962-8671501	4 3	F
46001	9900A		4 8	-
46501	SBP9989		3 8	-
47001	1802D		4 8	-
47101	1821		4 6	-
47102	1822		4 6	-
47201	1832		4 7	-
47301	1852		4 8	-
47401	1853	7901901	4 4	-
47601	1856		4 2	-
47602	1857		4 2	-
48001	Z-80ACPU		1 8	F
48002	Z-80CPU		1 8	F
48003	Z-80BCPU		2 8	-
48101	Z80ASIO/2		4 8	-
48102	Z-80SIO/2		4 8	-
48201	Z80ADMA		4 8	-
48202	Z80DMA		4 8	-
48301	Z80ACTC		4 8	-
48302	Z80CTC		4 8	-
48401	Z80APIO		4 8	-
48402	Z80PIO		4 8	-
48501	Z-80BCMOS		1 8	
48601	Z85C3006SCC	5962-8868901	1 8	
48602	85C3008SCC	5962-8868902	1 8	
49001	8048		4 8	-
49002	8035L		4 8	-
50001	TDC1008C1V		4 8	-
50002	TDC1009C1V		4 8	-
50003	TDC1010C1V		4 8	-
50004	MPY008HC2V		4 8	-
50005	MPY012HC1V		4 8	-
50006	MPY016HC1V		4 8	-
50201	82S101		1 7	F
50202	82S100		1 7	F
50301	PAL10H8	8103501	3 7	F
50302	PAL12H6	8103502	3 7	F
50303	PAL14H4	8103503	3 7	F
50304	PAL16H2	8103504	3 7	-
50305	PAL16C1	8103505	3 7	-
50306	PAL10L8	8103506	3 7	F
50307	PAL12L6	8103507	3 7	F
50308	PAL14L4	8103508	3 7	F
50309	PAL16L2	8103509	3 7	-
50310	PAL10H8A	8103510	3 7	-
50311	PAL12H6A	8103511	3 7	-
50312	PAL14H4A	8103512	3 7	-
50313	PAL16H2A	8103513	3 7	-
50314	PAL16C1A		3 7	
50315	PAL10L8A	8103514	3 7	-
50316	PAL12L6A	8103515	3 7	-
50317	PAL14L4A	8103516	3 7	-
50318	PAL16L2A	8103517	3 7	-
50319	PAL10H8A2		3 7	
50320	PAL12H6A2		3 7	
50321	PAL14H4A2		3 7	
50322	PAL16H2A2		3 7	
50323	PAL16C1A2		3 7	
50324	PAL10L8A2		3 7	
50325	PAL12L6A2		3 7	
50326	PAL14L4A2		3 7	
50327	PAL16L2A2		3 7	
50401	PAL16L8A	8103607	1 7	F
50402	PAL16R8A	8103608	1 7	F
50403	PAL16R6A	8103609	1 7	F
50404	PAL16R4A	8103610	1 7	F
50405	PAL16X4	8103605	3 7	-
50406	PAL16A4	8103606	3 7	-
50407	PAL16L8A2	8103611	1 7	F
50408	PAL16R8A2	8103612	1 7	F
50409	PAL16R6A2	8103613	1 7	F
50410	PAL16R4A2	8103614	1 7	F
50501	PAL20L8A	8412901	1 7	F
50502	PAL20R8A	8412902	1 7	F
50503	PAL20R6A	8412903	1 7	F
50504	PAL20R4A	8412904	1 7	F
50601	PAL16L8B		1 7	F
50602	PAL16R8B		1 7	F
50603	PAL16R6B		1 7	F
50604	PAL16R4B		1 7	F
50605	PAL16L8B2		1 7	F
50606	PAL16R8B2		1 7	F
50607	PAL16R6B2		1 7	F
50608	PAL16R4B2		1 7	F
50609	PAL16L8-15	5962-8515509	2 7	-
50610	PAL16R8-15	5962-8515510	2 7	-
50611	PAL16R6-15	5962-8515511	2 7	-
50612	PAL16R4-15	5962-8515512	2 7	-
50701	C22V10		2 7	-
50702	C22V10		2 7	-
50703	C22V10		2 7	
50801	C22V10-30		2 7	
50802	C22V10-25		2 7	
50803	C22V10-20		2 7	
50804	C22V10-15		2 7	
52001	Z8001CPU	8000301	2 8	-
52002	Z8002CPU	8000302	1 8	F
52003	Z8001ACPU	8000303	2 8	-
52004	Z8002A CPU	8000306	1 8	F
53001	8086		1 8	F
54001	68000-6	8202101	2 8	-
54002	68000-8	8202102	1 8	-
54003	68000-10	8202103	1 8	-
55201	32C201-10	5962-8859901	2 8	-
55501	UT1553BRTI	5962-8950101	1 8	
55502	UT1553BRTIA		1 23	
60001	(SEE SPEC)		2 25	-
60002	(SEE SPEC)		2 25	F
60003	(SEE SPEC)		2 25	-
60501	(SEE SPEC)		2 25	-
60502	(SEE SPEC)		2 25	-
60503	(SEE SPEC)		2 25	-
60504	(SEE SPEC)		1 25	-
60505	(SEE SPEC)		2 25	-
60506	(SEE SPEC)		2 25	-
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60509	(SEE SPEC)		2 25	-
60510	(SEE SPEC)		2 25	-
60511	(SEE SPEC)		2 25	-
60512	(SEE SPEC)		2 25	-
60513	(SEE SPEC)		2 25	-
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60515	(SEE SPEC)		2 25	-
60516	(SEE SPEC)		2 25	-
60517	(SEE SPEC)		2 25	-
60601	(SEE SPEC)		2 25	F
60602	(SEE SPEC)		2 25	F
60603	(SEE SPEC)		1 25	F
60604	(SEE SPEC)		1 25	F
60605	(SEE SPEC)		2 25	F
60606	(SEE SPEC)		1 25	F
60607	(SEE SPEC)		2 25	F
60608	(SEE SPEC)		1 25	F
60609	(SEE SPEC)		2 25	-
60610	(SEE SPEC)		2 25	-
60611	(SEE SPEC)		1 25	-
60612	(SEE SPEC)		2 25	-
60613	(SEE SPEC)		2 25	-
60614	(SEE SPEC)		2 25	-
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60616	(SEE SPEC)		2 25	-
60617	(SEE SPEC)		2 25	-
60701	(SEE SPEC)		2 25	
60702	(SEE SPEC)		2 25	
60703	(SEE SPEC)		2 25	
60704	(SEE SPEC)		2 25	
60705	(SEE SPEC)		2 25	
60706	(SEE SPEC)		2 25	
60707	(SEE SPEC)		2 25	
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60709	(SEE SPEC)		2 25	
60710	(SEE SPEC)		2 25	
60711	(SEE SPEC)		1 25	
60712	(SEE SPEC)		2 25	
60713	(SEE SPEC)		2 25	
60714	(SEE SPEC)		2 25	
60715	(SEE SPEC)		2 25	
60716	(SEE SPEC)		2 25	
60717	(SEE SPEC)		2 25	
60801	(SEE SPEC)		2 25	-
60802	(SEE SPEC)		2 25	-
60803	(SEE SPEC)		2 25	-
60804	(SEE SPEC)		2 25	-
60805	(SEE SPEC)		2 25	-
60806	(SEE SPEC)		2 25	-
60807	(SEE SPEC)		2 25	-
60808	(SEE SPEC)		2 25	-
60809	(SEE SPEC)		2 25	-
60810	(SEE SPEC)		2 25	-
60811	(SEE SPEC)		1 25	-
60812	(SEE SPEC)		2 25	-
60813	(SEE SPEC)		2 25	-
60814	(SEE SPEC)		2 25	-
60815	(SEE SPEC)		2 25	-
60816	(SEE SPEC)		2 25	-
60817	(SEE SPEC)		2 25	-
61001	6516-1		2 6	-
61002	6516-2		2 6	-
61003	6516-3		2 6	-
61301	51C98-35		2 6	F
61302	51C98-45		2 6	F
61303	51C98-55		2 6	F
61501	1HC34-25		2 6	-
61502	1HC34-20		2 6	-
61503	1HC34-15		2 6	-
61504	1HC34-25		2 6	-
61505	1HC34-20		2 6	-
61506	1HC34-15		2 6	-
61601	TVB382		2 8	-

MILITARY PARTS
Cross Reference SORTED BY MIL-M-38510/ (Cont'd)

MIL-M-38510/	Generic Industry Number	DESC Drawing -or- MIL Drawing	Table/ Function Code	NATO
62001	(SEE SPEC)		2 8	-
62002	(SEE SPEC)		2 8	-
63001	BFRP10		2 23	
65001	54HC00	8403701	1 1	P
65002	54HC10	8403801	1 1	P
65003	54HC20	8403901	1 1	P
65004	54HC30	8404001	1 1	P
65005	54HC132		1 1	P
65101	54HC02	8404101	1 1	P
65102	54HC27	8404201	1 1	P
65103	54HC266	8404301	1 1	P
65104	54HC4002	8404401	1 1	F
65105	54HC7266	8404302	2 1	-
65201	54HC32	8404501	1 1	P
65202	54HC86	8404601	1 1	P
65203	54HC08	8404701	1 1	P
65204	54HC11	8404801	1 1	P
65301	54HC73	5962-8515301	2 3	-
65302	54HC74	8405601	1 3	P
65303	54HC107	5962-8515401	2 3	F
65304	54HC109	8415001	1 3	P
65305	54HC112	8408801	1 3	P
65306	54HC173	5962-8682501	1 3	F
65307	54HC174	8407301	1 3	P
65308	54HC175	8408901	1 3	P
65352	54HCT74	5962-8685301	1 3	-
65401	54HC75	8407001	2 3	-
65402	54HC259	8551901	1 3	F
65403	54HC373	8407201	1 3	P
65404	54HC533	5962-8681301	2 3	-
65405	54HC563	5962-8606201	2 3	F
65406	54HC573	8512801	1 3	P
65453	54HCT373	5962-8686701	1 3	-
65501	54HC242		2 13	F
65502	54HC243	8409001	2 13	F
65503	54HC245	8408501	1 13	P
65506	54HC640	5962-8780901	2 13	F
65507	54HC643		2 13	F
65508	54HC646	5962-8688501	2 13	-
65509	54HC648		2 13	-
65553	54HCT245	8550601	1 13	P
65601	54HC273	8409901	1 3	P
65602	54HC374	8407101	1 3	P
65603	54HC377	5962-8780701	2 3	F
65604	54HC574		1 3	P
65605	54HC534	5962-8681401	2 3	-
65606	54HC564	5962-8681501	2 3	-
65652	54HCT374	8550701	1 3	-
65701	54HC04	8409801	1 1	P
65702	54HC14	8409101	1 1	P
65703	54HC240	8407401	1 2	P
65704	54HC241		1 2	P
65705	54HC244	8409601	1 2	P
65706	54HC365	8500101	1 2	P
65707	54HC366	5962-8682801	2 13	F
65708	54HC367	8500201	1 2	P
65709	54HC368	5962-8681201	1 2	P
65710	54HC540		1 2	F
65711	54HC541		1 2	F
65751	54HCT04	5962-8974701	1 1	
65752	54HCT14	5962-8689001	2 1	-
65753	54HCT240	8550501	1 2	F
65754	54HCT241		2 2	F
65755	54HCT244	8513001	1 2	F
65760	54HCT540		1 13	-
65761	54HCT541		1 2	F
65801	54HC42	5962-8682101	2 4	F
65802	54HC138	8406201	1 4	P
65803	54HC139	8409201	1 4	P
65804	54HC154	5962-8682201	2 4	-
65852	54HCT138	8550401	1 4	F
65853	54HCT139		2 4	-
66201	54HC151B	8412801	2 4	F
66202	54HC153B	8409301	2 4	F
66203	54HC157B	5962-8606101	2 4	F
66204	54HC158B	5962-8682301	1 4	F
66205	54HC251B	8512501	2 4	F
66206	54HC253B	5962-8868201	2 4	F
66207	54HC257	8512401	2 4	F
66301	54HC160	5962-8682401	2 5	F
66302	54HC161	8407501	1 5	F
66303	54HC162	8409401	2 5	F
66304	54HC163	8607601	1 5	F
66305	54HC191	5962-8689101	2 5	F
66306	54HC192	5962-8780801	2 5	F
66307	54HC193	5962-8772401	2 5	F
66308	54HC390	8600901	2 5	F
66309	54HC393	8410001	1 5	P
66310	54HC4017	8601101	2 5	-
66311	54HC4020	8500301	2 5	-
66312	54HC4024	8601201	2 5	-
66313	54HC4040	8500401	2 5	-
66501	54HC164	8416201	1 5	F
66502	54HC165	8409501	1 5	-
66503	54HC166		2 5	-
66504	54HC194	5962-8682601	2 5	F
66505	54HC195	5962-8682701	2 5	F
66506	54HC299	5962-8780601	2 5	F
66507	54HC595	5962-8681601	2 5	-
70201	1846	5962-8680601	1 12	-
70202	1847	5962-8680602	2 12	-
70601	(SEE SPEC)		1 25	-
70602	(SEE SPEC)		1 25	-
70603	(SEE SPEC)		1 25	-
70604	(SEE SPEC)		2 25	
75001	54AC00	5962-8754901	1 1	-
75002	54AC10	5962-8761001	1 1	-
75003	54AC20	5962-8761301	1 1	-
75021	54AC1100	5962-8754902	2 1	-
75022	54AC11010	5962-8761002	2 1	
75023	54AC11020	5962-8761302	2 1	-
75024	54AC11030		2 1	-
75101	54AC02	5962-8761201	1 1	
75201	54AC32	5962-8761401	1 1	L
75202	54AC86	5962-8955001	1 1	
75203	54AC08	5962-8761501	1 1	-
75204	54AC11	5962-8761101	1 1	-
75302	54AC74	5962-8852001	1 3	-
75304	54AC109	5962-8955101	2 3	
75305	54AC112		2 3	
75307	54AC174	5962-8762601	2 3	-
75308	54AC175	5962-8955201	2 3	
75403	54AC373	5962-8755501	1 3	-
75404	54AC533		2 3	
75405	54AC563		2 3	
75406	54AC573		2 3	
75503	54AC245	5962-8775801	1 13	
75505	54AC623		2 13	
75506	54AC640		2 13	
75507	54AC643		2 13	
75508	54AC646	5962-8968201	2 13	
75509	54AC648		2 13	
75601	54AC273	5962-8775601	1 3	
75602	54AC374	5962-8769401	1 3	-
75603	54AC377	5962-8870201	2 3	
75604	54AC574		2 3	
75605	54AC534		2 3	
75606	54AC564		2 3	
75701	54AC04	5962-8760901	1 1	-
75702	54AC14	5962-8762401	1 1	-
75703	54AC240	5962-8755001	1 2	-
75704	54AC241	5962-8755101	1 2	-
75705	54AC244	5962-8755201	1 2	-
75710	54AC540	5962-8769501	2 13	-
75711	54AC541	5962-8870601	2 2	
75802	54AC138	5962-8762201	1 4	
75803	54AC139	5962-8762301	2 4	-
76201	54AC151	5962-8769101	1 4	-
76202	54AC153	5962-8762501	1 4	-
76203	54AC157	5962-8953901	1 4	
76204	54AC158	5962-8972901	2 4	
76205	54AC251	5962-8769201	2 4	-
76206	54AC253	5962-8769301	2 4	-
76207	54AC257	5962-8870301	2 4	
76302	54AC161	5962-8956101	2 5	
76304	54AC163	5962-8958201	2 5	
76305	54AC191	5962-8974901	2 5	
76506	54AC299	5962-8875401	1 5	

MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
5962-3826701M	28C010		2	7
5962-3826702M	28C010		2	7
5962-3826703M	28C010		2	7
5962-3826704M	28C010		2	7
5962-3826705M	28C010		2	7
5962-3826706M	28C010		2	7
5962-3826707M	28C010		2	7
5962-3829401M	(SEE DWG)		6	6
5962-3829402M	(SEE DWG		)2	6
5962-3829403M	(SEE DWG)		2	6
5962-3829404M	(SEE DWG)		2	6
5962-3829405M	(SEE DWG)		2	6
5962-3829406M	(SEE DWG)		2	6
5962-3829407M	(SEE DWG)		2	6
5962-3829408M	(SEE DWG)		2	6
5962-3829409M	(SEE DWG)		2	6
5962-3829410M	(SEE DWG)		2	6
5962-3829411M	(SEE DWG)		2	6
5962-3829412M	(SEE DWG)		2	6
5962-3829413M	(SEE DWG)		2	6
5962-3829414M	(SEE DWG)		2	6
5962-3829415M	(SEE DWG)		2	6
5962-3829416M	(SEE DWG)		2	6
5962-3829417M	(SEE DWG)		2	6
5962-3829418M	(SEE DWG)		2	6
5962-3829419M	(SEE DWG)		2	6
5962-3829420M	(SEE DWG)		2	6
5962-3829421M	(SEE DWG)		2	6
5962-3829422M	(SEE DWG)		2	6
5962-3829423M	(SEE DWG)		2	6
5962-3829424M	(SEE DWG)		2	6
5962-3829425M	(SEE DWG)		2	6
5962-3829426M	(SEE DWG)		2	6
5962-3829427M	(SEE DWG)		2	6
5962-3829428M	(SEE DWG)		2	6
5962-3829429M	(SEE DWG)		2	6
5962-3829430M	(SEE DWG)		2	6
5962-3829431M	(SEE DWG)		2	6
5962-3829432M	(SEE DWG)		2	6
5962-3829433M	(SEE DWG)		2	6
5962-3870501M	LP2951		2	12
5962-7802001M	26LS32		2	13 -
5962-7802002M	26LS33		2	13 -
5962-7802003M	26LS32A		3	13 -
5962-7802004M	26LS33A		3	13 -
5962-7802005M	26F32		2	13
5962-7802301M	26LS31	2	13 -	
5962-7802302M	26F31	2	13	
5962-8501601	82C59A-5		2	8 -
5962-8501602	82C59A		2	8 -
5962-8506404M	80C51BH-16		2	8
5962-8512701	574AU		2	17 -
5962-8512702	574AT		2	17 -
5962-8512703	574AU		3	17 -
5962-8512704	574AT		3	17 -
5962-8513101	506A	19002	1	18 -
5962-8513102	507A	19004	1	18 -
5962-8513103	509A	19006	1	18 -
5962-8513104	IH5116		2	18 -
5962-8513105	IH5216		2	18 -
5962-8513106	IH5208		2	18 -
5962-8513301	80287-10		2	8 -
5962-8513302	80287-8		2	8
5962-8513303	80287-5		2	8
5962-8513501	27512-25		2	7 -
5962-8513502	27512-35		2	7 -
5962-8513503	27512-30		2	7 -
5962-8513504	27512-45		2	7
5962-8513505	27512-20		2	7 -
5962-8514801	80286-8		2	8 -
5962-8514802	80286-6		2	8 -
5962-8514803	80286-10		2	8 -
5962-8514901	82288-6		2	8 -
5962-8514902	82288-8		2	8 -
5962-8515301	54HC73	65301	2	3 -
5962-8515401	54HC107	65303	2	3 F
5962-8515501	PAL16L8-20		2	7 F
5962-8515502	PAL16R8-20		2	7 F
5962-8515503	PAL16R6-20		2	7 F
5962-8515504	PAL16R4-20		2	7 F
5962-8515505	PAL16L8-30		2	7 F
5962-8515506	PAL16R8-30		2	7 F
5962-8515507	PAL16R6-30		2	7 F
5962-8515508	PAL16R4-30		2	7 F
5962-8515509	PAL16L8-15	50609	2	7 -
5962-8515510	PAL16R8-15	50610	2	7 -
5962-8515511	PAL16R6-15	50611	2	7 -
5962-8515512	PAL16R4-15	50612	2	7 -
5962-8515513	PAL16L8A-12		2	7
5962-8515514	PAL16R8A-12		2	7
5962-8515515	PAL16R6-12		2	7
5962-8515516	PAL16R4-12		2	7
5962-8515517	PAL16L8-10		2	7
5962-8515518	PAL16R8-10		2	7
5962-8515519	PAL16R6-10		2	7
5962-8515520	PAL16R4-10		2	7
5962-8550101	46106B		3	1 -
5962-8550102	14584		3	1 -
5962-8550301	8X320		2	8 -
5962-8551801	Z8030A		2	8 -
5962-8551802	Z8030		2	8
5962-8552301	9513A		2	8 -
5962-8552601	27PS191		2	7 -
5962-8552602	27PS191A		2	7 -
5962-8552603	27PS291		2	7 -
5962-8552604	27PS291A		2	7 -
5962-8552701	27S45		2	7 -
5962-8552702	27S45A		2	7 -
5962-8552703	27S47		2	7 -
5962-8552704	27S47A		2	7 -
5962-8552801	82C89		2	8 -
5962-8601501	(SEE DWG)		2	6 -
5962-8601502	(SEE DWG)		2	6 -
5962-8601503	(SEE DWG)		2	6 -
5962-8601504	(SEE DWG)		2	6 -
5962-8601505	(SEE DWG)		2	6 -
5962-8601506	(SEE DWG)		2	6 -
5962-8601507	(SEE DWG)		2	6 -
5962-8601508	(SEE DWG)		2	6 -
5962-8601601	80C88		3	8
5962-8602102	68881-16		2	8 -
5962-8602103	68881-20		2	8 -
5962-8603201	68020-12		3	8 -
5962-8603202	68020-16		2	8 -
5962-8603203	68020-20		2	8 -
5962-8604901	BUS-63105		3	13 -
5962-8604903	ARX2402		1	13
5962-8604905	BUS-8553		3	13
5962-8604906	NHI-1509		1	13
5962-8605201	8X350		2	6 -
5962-8605301	PAL22V10A		2	7 -
5962-8605302	PAL22V10		2	7 -
5962-8605303	PAL22VP10-25		2	7
5962-8605304	PAL22V10-20		2	7
5962-8605305	PAL22V10-12		2	7
5962-8605801	2803	14108	1	13 F
5962-8606101	54HC157B	66203	2	4 F
5962-8606201	54HC563	65405	2	3 F
5962-8606301	(SEE DWG)		2	7 -
5962-8606302	(SEE DWG)		2	7 -
5962-8606303	(SEE DWG)		2	7 -
5962-8606304	(SEE DWG)		2	7 -
5962-8606305	(SEE DWG)		2	7 -
5962-8606306	(SEE DWG)		2	7 -
5962-8606307	(SEE DWG)		2	7 -
5962-8606308	(SEE DWG)		2	7 -
5962-8606401	5539		2	9 -
5962-8606901	54F85		3	4 -
5962-8607001	54F148		2	4 F
5962-8607101	54F164		2	5 F
5962-8607201	54F169		2	5 -
5962-8607401	54F322		2	5 -
5962-8607501	54F350		2	5 F

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MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING(Cont'd)

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
5962-8608101	2168-55		2 6	-
5962-8608102	2168-70		2 6	-
5962-8608103	2169-50		2 6	-
5962-8608104	2169-70		2 6	-
5962-8608105	2168-45		2 6	-
5962-8608106	2169-40		2 6	-
5962-8608801	82720		2 8	-
5962-8670101	54HCT154		2 4	-
5962-8670201	25LS2519		2 5	-
5962-8670301	27S19		2 7	-
5962-8670302	27S19A		2 7	-
5962-8670401	1842		2 12	-
5962-8670402	1843		2 12	-
5962-8670403	1844		2 12	-
5962-8670404	1845		2 12	-
5962-8670502	(SEE DWG)		2 6	-
5962-8670503	(SEE DWG)		2 6	-
5962-8670504	(SEE DWG)		2 6	-
5962-8670506	(SEE DWG)		2 6	-
5962-8670507	(SEE DWG)		2 6	-
5962-8670508	(SEE DWG)		2 6	-
5962-8670509	(SEE DWG)		2 6	-
5962-8670510	(SEE DWG)		2 6	-
5962-8670511	(SEE DWG)		2 6	-
5962-8670512	(SEE DWG)		2 6	-
5962-8670513	(SEE DWG)		2 6	-
5962-8670514	(SEE DWG)		2 6	-
5962-8670515	(SEE DWG)		2 6	-
5962-8670601	27S35		2 7	-
5962-8670602	27S35A		2 7	-
5962-8670603	27S37		2 7	-
5962-8670604	27S37A		2 7	-
5962-8670701	2965		2 13	-
5962-8670702	2966		2 13	-
5962-8670801	25LS399		3 5	-
5962-8670901	82S105		2 7	-
5962-8670902	82S105		2 7	
5962-8671001	54F381	33803	1 4	F
5962-8671101	LM113		2 19	-
5962-8671102	LM113-1		2 19	-
5962-8671103	LM113-2		2 19	-
5962-8671201	1545		2 9	
5962-8671301	25LS2521		2 4	-
5962-8671401	2917A		2 13	-
5962-8671501	2918	44201	4 3	F
5962-8671601	(SEE DWG)		2 18	-
5962-8671602	(SEE DWG)		2 18	
5962-8671701	54LS595		2 5	-
5962-8671801	25S10		3 5	-
5962-8671901	29LS18		2 5	-
5962-8672001	26S10		3 13	-
5962-8672101	26LS30		2 13	-
5962-8672201	5560		2 12	-
5962-8672301	2947		2 13	-
5962-8672302	2946		3 13	
5962-8672401	25S240		3 2	-
5962-8672501	25S241		3 2	-
5962-8672601	93S48		2 4	-
5962-8672701	93S16		3 5	-
5962-8672801	25S09		3 5	-
5962-8680101	2942		2 8	-
5962-8680201	AD570		2 17	-
5962-8680202	AD571	13401	2 17	-
5962-8680301	PAL20RA10		2 7	-
5962-8680401	PAL18L4		2 7	-
5962-8680402	PAL12L10		2 7	-
5962-8680403	PAL14L8		2 7	-
5962-8680404	PAL16L6		2 7	-
5962-8680405	PAL20L2		2 7	-
5962-8680406	PAL20C1		2 7	-
5962-8680501	(SEE DWG)		2 7	
5962-8680502	(SEE DWG)		2 7	
5962-8680503	(SEE DWG)		2 7	
5962-8680504	(SEE DWG)		2 7	
5962-8680505	(SEE DWG)		2 7	
5962-8680506	(SEE DWG)		2 7	
5962-8680507	(SEE DWG)		2 7	
5962-8680508	(SEE DWG)		2 7	
5962-8680601	1846	70201	1 12	-
5962-8680602	1847	70202	2 12	-
5962-8680901	8797BH		2 8	
5962-8681001	68562		2 8	-
5962-8681101	68442-8		2 8	
5962-8681201	54HC368	65709	1 2	P
5962-8681301	54HC533	65404	2 3	-
5962-8681401	54HC534	65605	2 3	-
5962-8681501	54HC564	65606	2 3	-
5962-8681601	54HC595	66507	2 5	-
5962-8681701	54HC597		2 5	-
5962-8681801	54HC688		2 4	F
5962-8681901	54HC4049		2 2	-
5962-8682001	54HC4050		2 4	-
5962-8682101	54HC42	65801	2 4	F
5962-8682201	54HC154	65804	2 4	-
5962-8682301	54HC158B	66204	1 4	F
5962-8682401	54HC160	66301	2 5	F
5962-8682501	54HC173	65306	1 3	F
5962-8682601	54HC194	66504	2 5	F
5962-8682701	54HC195	66505	2 5	F
5962-8682801	54HC366	65707	2 13	F
5962-8683001	(SEE DWG)		2 7	F
5962-8683002	(SEE DWG)		2 7	F
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5962-8683004	(SEE DWG)		3 7	-
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5962-8683006	(SEE DWG)		2 7	-
5962-8683007	(SEE DWG)		2 7	-
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5962-8683009	(SEE DWG)		3 7	-
5962-8683010	(SEE DWG)		3 7	-
5962-8683101	54HCT00		2 1	-
5962-8683301	54ALS00A	37001	1 1	F
5962-8683401	54F243	34802	1 13	F
5962-8683601	54ALS32	37501	1 1	F
5962-8683701	54ALS30A	37004	1 1	F
5962-8683801	54ALS27	37302	1 1	F
5962-8683901	54ALS244A	38303	1 2	F
5962-8684001	54ALS191		2 5	-
5962-8684101	54ALS11	37402	1 1	F
5962-8684201	54ALS08	37401	1 1	F
5962-8684301	54ALS04B	37006	1 1	F
5962-8684401	54ALS02	37301	1 1	F
5962-8684501	LT1016		2 10	-
5962-8684601	72404L10		2 8	-
5962-8684602	72404L15		2 8	-
5962-8684603	72404L25		2 8	-
5962-8684604	72404L35		2 8	-
5962-8684701	54HC123		2 3	F
5962-8684702	54HC123A		2 3	
5962-8684801	54HC126		2 2	F
5962-8684901	1549		2 18	-
5962-8685001	54F194	33601	1 5	F
5962-8685101	8X376		2 8	-
5962-8685201	54HCT32		2 1	-
5962-8685301	54HCT74	65352	1 3	-
5962-8685401	54HCT161		2 5	-
5962-8685501	54HCT165		2 5	-
5962-8685601	54HCT573		2 3	-
5962-8685701	54HCT688		2 4	-
5962-8685901	(SEE DWG)		2 6	-
5962-8685902	(SEE DWG)		2 6	-
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5962-8685923	(SEE DWG)		2 6	-
5962-8685924	(SEE DWG)		2 6	-
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5962-8686101	580S		2 19	-
5962-8686102	1503A		2 19	-
5962-8686103	580U		2 19	
5962-8686201	54FCT299		2 5	-
5962-8686202	54FCT299A		2 5	
5962-8686301	29116		2 8	-
5962-8686401	(SEE DWG)		2 7	
5962-8686501	54ALS10	37002	1 1	F
5962-8686601	54ALS138	37701	1 4	F
5962-8686701	54HCT373	65453	1 3	-
5962-8686801	8286		2 13	F
5962-8686802	8287		2 13	-
5962-8686901	54ALS157		2 4	-
5962-8687001	54ALS164		2 5	-
5962-8687101	54ALS38A		2 2	-
5962-8687201	54F38	35202	1 2	F
5962-8687301	7216L-40		2 4	-
5962-8687302	7216L-55		2 4	-
5962-8687303	7216L-75		2 4	-
5962-8687401	54F241	33202	1 2	F
5962-8687501	(SEE DWG)		2 6	-
5962-8687502	(SEE DWG)		2 6	-
5962-8687503	(SEE DWG)		2 6	-
5962-8687504	(SEE DWG)		2 6	-
5962-8687505	(SEE DWG)		2 6	-
5962-8687506	(SEE DWG)		2 6	-
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5962-8687509	(SEE DWG)		2 6	-
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5962-8687512	(SEE DWG)		2 6	-
5962-8687513	(SEE DWG)		2 6	-
5962-8687514	(SEE DWG)		2 6	-
5962-8687515	(SEE DWG)		2 6	-
5962-8687516	(SEE DWG)		2 6	-
5962-8687517	(SEE DWG)		2 6	-
5962-8687518	(SEE DWG)		2 6	-
5962-8687601	54LS668		2 5	-
5962-8687701	LM111	10304	1 10	F

MILITARY

MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING (Cont'd)

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NA TO
5962-8687801	TL514		2 10	-
5962-8687901	RM3182		2 13	-
5962-8688001	HS3282		2 24	-
5962-8688002	HI8282		2 24	
5962-8688101	54LS382		2 4	-
5962-8688201	(SEE DWG)		2 19	-
5962-8688202	(SEE DWG)		2 19	-
5962-8688203	(SEE DWG)		2 19	-
5962-8688301	54HCT08		2 1	-
5962-8688401	54HC238		2 4	-
5962-8688501	54HC646	65508	2 13	-
5962-8688601	54HC4538		2 3	-
5962-8688701	OP-227A	13504	2 9	-
5962-8688801	55189		3 13	-
5962-8688802	55189A		2 13	-
5962-8688901	55188		2 13	-
5962-8689001	54HCT14	65752	2 1	-
5962-8689101	54HC191	66305	2 5	F
5962-8700101	10H536		2 5	-
5962-8700201	7132SA-45		2 6	-
5962-8700202	7132SA-90		2 6	-
5962-8700203	7132SA-70		2 6	-
5962-8700204	7132SA-55		2 6	-
5962-8700205	7132LA-45		2 6	-
5962-8700206	7132LA-90		2 6	-
5962-8700207	7132LA-70		2 6	-
5962-8700208	7132LA-55		2 6	-
5962-8700209	7142SA-45		2 6	-
5962-8700210	7142SA-90		2 6	-
5962-8700211	7142SA-70		2 6	-
5962-8700212	7142SA-55		2 6	-
5962-8700213	7142LA-45		2 6	-
5962-8700214	7142LA-90		2 6	-
5962-8700215	7142LA-70		2 6	-
5962-8700216	7142LA-55		2 6	-
5962-8700301	567		2 24	-
5962-8750101	10H515		2 13	-
5962-8750201	10H516		2 13	-
5962-8750301	10H501		2 1	-
5962-8750401	10H504		2 1	-
5962-8750501	10H535		2 3	-
5962-8750601	10H574		2 4	-
5962-8750701	10H505		2 1	-
5962-8750801	10H525		2 2	-
5962-8750901	10H588		2 2	-
5962-8751001	10H589		2 1	
5962-8751101	10H541		2 5	-
5962-8751201	10H576		2 3	
5962-8751302	(SEE DWG)		2 6	F
5962-8751401	(SEE DWG)		2 7	-
5962-8751402	(SEE DWG)		2 7	-
5962-8751403	(SEE DWG)		2 7	-
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5962-8751427	(SEE DWG)		2 7	-
5962-8751501	(SEE DWG)		2 7	-
5962-8751502	(SEE DWG)		2 7	-
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5962-8751505	(SEE DWG)		2 7	-
5962-8751506	(SEE DWG)		2 7	-
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5962-8751701	54LS590		2 5	-
5962-8751801	8259A		2 8	F
5962-8751901	9914A		3 8	-
5962-8752001	8253		2 8	-
5962-8752002	8253		2 8	-
5962-8752003	8253-5		2 8	-
5962-8752101	54C922		3 4	-
5962-8752201	9622		3 13	-
5962-8752301	9636A		2 13	
5962-8752401	9637A		2 13	-
5962-8752501	54ACT74		2 3	-
5962-8752502	54ACT11074		3 3	-
5962-8752601	Z0858110		2 8	-
5962-8752602	Z0858106		2 8	-
5962-8752701	Z0853006		2 8	-
5962-8752702	Z0853004		2 8	-
5962-8752801	PAL18P8A		2 7	-
5962-8752802	PAL18P8B		2 7	-
5962-8752803	PAL18P8AL		2 7	
5962-8752804	PAL18P8L		2 7	
5962-8752805	PAL18P8Q		2 7	-
5962-8752901	(SEE DWG)		2 7	
5962-8752902	(SEE DWG)		2 7	
5962-8753001	(SEE DWG)		2 7	-
5962-8753002	(SEE DWG)		2 7	-
5962-8753003	(SEE DWG)		2 7	-
5962-8753004	(SEE DWG)		2 7	-
5962-8753101	7201LA30		2 8	-
5962-8753102	7201LA50		2 8	-
5962-8753103	7201LA80		2 8	-
5962-8753201	2069		2 18	-
5962-8753202	2070		2 18	-
5962-8753301	54ALS857A	37901	1 4	F
5962-8753401	26S12		3 13	-
5962-8753402	26S12A		3 13	-
5962-8753501	BUS-65112		2 22	-
5962-8753502	2452		2 22	
5962-8753601	25S244		3 2	-
5962-8753901	C22V10		2 7	-
5962-8753902	C22V10		2 7	-
5962-8753903	C22V10		2 7	-
5962-8753904	C22V10		2 7	
5962-8754001	AD585		2 20	-
5962-8754101	10H610		2 1	-
5962-8754201	25LS2513		2 4	-
5962-8754301	82S62		3 4	-
5962-8754501	760		2 10	
5962-8754601	9638		2 13	-
5962-8754701	55110A		2 13	-
5962-8754801	8251A		2 8	F
5962-8754802	8251A		3 8	F
5962-8754901	54AC00	75001	1 1	-
5962-8754902	54AC1100	75021	2 1	-
5962-8755001	54AC240	75703	1 2	-
5962-8755002	54AC11240		3 2	-
5962-8755101	54AC241	75704	1 2	-
5962-8755102	54AC11241		3 2	
5962-8755201	54AC244	75705	1 2	-
5962-8755202	54AC11244		3 2	-
5962-8755301	54ACT139		2 4	-
5962-8755401	54ACT138		2 4	-
5962-8755501	54AC373	75403	1 3	-
5962-8755502	54AC11373		3 3	
5962-8755601	54ACT373		2 3	-
5962-8755602	54ACT11373		3 3	
5962-8755701	10H502		2 1	-
5962-8755801	10H513		2 1	-
5962-8755901	10H518		2 1	-
5962-8756001	10H524		2 2	-
5962-8756101	10H531		2 3	-
5962-8756201	10H560		2 4	-
5962-8756301	10H586		2 3	-
5962-8756401	10H506		2 1	-
5962-8756501	10H503		2 1	-
5962-8756601	10H558		2 4	-
5962-8756701	10H561		2 4	-
5962-8756801	10H571		2 4	-
5962-8756901	10H609		2 1	-
5962-8757001	8255A		2 8	-
5962-8757002	8255A-5		2 8	-
5962-8757101	AD590J		2 24	-
5962-8757102	AD590K		2 24	-
5962-8757103	AD590L		2 24	-
5962-8757104	AD590M		2 24	-
5962-8757201	527		2 10	-
5962-8757202	529		2 10	-
5962-8757203	LM161		2 10	-
5962-8757301	2930		2 8	-
5962-8757401	2964B		2 8	-
5962-8757501	9517A		2 8	-
5962-8757502	9517A-4		2 8	-
5962-8757601	8X371		2 8	-
5962-8757701	82C86H-5		2 13	-
5962-8757702	82C87H-5		2 13	-
5962-8757801	LT1007A		2 9	-
5962-8757901	BUS-63125		3 13	-
5962-8757902	BUS-63125II		2 13	-
5962-8757903	ARX2411		2 13	
5962-8757904	ARX3411		2 13	
5962-8757905	NHI-1500		2 13	
5962-8757906	FC1553623		2 13	
5962-8757907	CT1487D		3 13	
5962-8757908	MR63125MPR		2 13	
5962-8759001	10H416		2 5	-
5962-8759101	AD7572S12		2 17	-
5962-8759102	AD7572T12		2 17	-
5962-8759103	AD7572U12		2 17	-
5962-8759104	AD7572S05		2 17	-
5962-8759105	AD7572T05		2 17	-
5962-8759106	AD7572U05		2 17	-
5962-8759201	9150-25		2 6	-
5962-8759202	9150-35		2 6	-
5962-8759203	9150-45		2 6	-
5962-8759301	8155		2 6	-
5962-8759302	8156		2 6	-
5962-8759401	LM185-1.2		2 19	-
5962-8759402	LM185-2.5		2 19	-
5962-8759403	LM185BX1.2		2 19	-
5962-8759404	LM185BX2.5		2 19	-
5962-8759405	LM185BY1.2		2 19	-
5962-8759406	LM185BY2.5		2 19	-

MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING(Cont'd)

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
5962-8759501	54AS646		3 13	-
5962-8759601	26LS34		2 13	-
5962-8759701	9519A		2 8	-
5962-8759801	3183A		2 24	
5962-8760001	TDC1048		2 17	-
5962-8760201	2960		2 8	-
5962-8760301	29C841		2 8	-
5962-8760302	29C843		2 8	-
5962-8760303	29C941		2 8	-
5962-8760304	29C943		2 8	-
5962-8760401	LM10		2 9	-
5962-8760501	LM104		2 12	-
5962-8760601	LM110	10602	2 9	-
5962-8760701	LM131A		2 24	-
5962-8760801	198	12501	1 20	F
5962-8760901	54AC04	75701	1 1	-
5962-8760902	54AC11004		3 1	
5962-8761001	54AC10	75002	1 1	-
5962-8761002	54AC11010	75022	2 1	
5962-8761101	54AC11	75204	1 1	-
5962-8761102	54AC11011		3 1	
5962-8761201	54AC02	75101	1 1	
5962-8761202	54AC11002		3 1	
5962-8761301	54AC20	75003	1 1	-
5962-8761302	54AC11020	75023	2 1	-
5962-8761401	54AC32	75201	1 1	L
5962-8761501	54AC08	75203	1 1	-
5962-8761502	54AC11008		3 1	
5962-8761601	26LS32B		2 13	-
5962-8761701	0006		1 13	-
5962-8761702	0008		1 13	-
5962-8761801	HI524		2 18	-
5962-8761901	UC1707		2 13	-
5962-8762001	OPA501		2 9	
5962-8762101	54LS592		2 5	-
5962-8762201	54AC138	75802	1 4	
5962-8762301	54AC139	75803	2 4	-
5962-8762401	54AC14	75702	1 1	-
5962-8762501	54AC153	76202	1 4	-
5962-8762601	54AC174	75307	2 3	-
5962-8762701	54FCT377		2 3	-
5962-8762702	54FCT377A		2 3	
5962-8762801	54FCT374		2 3	-
5962-8762802	54FCT374A		2 3	-
5962-8762901	54FCT245		2 13	-
5962-8762902	54FCT245A		2 13	-
5962-8763001	54FCT244		2 2	-
5962-8763002	54FCT244A		2 2	-
5962-8763101	54ACT374		2 3	-
5962-8763102	54ACT11374		3 3	
5962-8763201	BUS-65111		2 13	
5962-8763301	320C10		2 8	
5962-8763302	320C10-25		2 8	
5962-8763303	320CM10		2 8	
5962-8763304	320CM10-25		2 8	
5962-8763305	320CF10-25		2 8	
5962-8763306	320E15		2 8	
5962-8763307	320C15		2 8	
5962-8763308	320C15-25		2 8	
5962-8763501	670S		2 17	
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5962-8764002	UCS-5800		2 13	
5962-8764101	UCS5822		2 13	-
5962-8764301	3517		2 12	-
5962-8764401	54FCT373		2 3	-
5962-8764402	54FCT373A		2 3	-
5962-8764501	1524B		2 12	-
5962-8764502	1524A		2 12	-
5962-8764601	14490A		2 23	-
5962-8764701	54HC03		2 1	F
5962-8764801	27C512		2 7	-
5962-8764802	27C512		2 7	-
5962-8764803	27C512		2 7	-
5962-8764804	27C512		2 7	
5962-8764901	(SEE DWG)		2 7	-
5962-8764902	(SEE DWG)		2 7	-
5962-8764903	(SEE DWG)		2 7	-
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5962-8765301	ICM7170		2 8	-
5962-8765401	54FCT138		2 4	-
5962-8765402	54FCT138A		2 4	-
5962-8765501	54FCT240		2 2	-
5962-8765502	54FCT240A		2 2	-
5962-8765601	54FCT273		2 3	-
5962-8765602	54FCT273A		2 3	
5962-8765701	1590		2 9	-
5962-8765801	TLC372		2 10	-
5962-8765901	TLC374		2 10	-
5962-8766001	ICL7667		2 13	-
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5962-8766104	(SEE DWG)		2 7	-
5962-8766105	(SEE DWG)		2 7	-
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5962-8766201	26S02		3 3	-
5962-8766301	54ACT245		2 13	-
5962-8766401	54ACT573		2 3	
5962-8766501	1750A-15		2 8	
5962-8766502	1750A-20		2 8	
5962-8766503	1750A-30		2 8	
5962-8766601	LT1080		2 13	-
5962-8766602	LT1081		2 13	-
5962-8766701	29C827		2 2	-
5962-8766702	29C828		2 2	-
5962-8766703	29C927		2 2	-
5962-8766704	29C928		2 2	-
5962-8766801	80386-16		2 8	-
5962-8766802	80386-12		2 8	-
5962-8766803	80386-20		2 8	
5962-8766804	80386-25		2 8	
5962-8766901	82384-16		2 8	-
5962-8766902	82384-12		2 8	-
5962-8767001	26LS29		2 13	
5962-8767101	PAL20L8B		2 7	-
5962-8767102	PAL20R8B		2 7	-
5962-8767103	PAL20R6B		2 7	-
5962-8767104	PAL20R4B		2 7	-
5962-8767105	PLUS20L8		2 7	
5962-8767106	PLUS20R8		2 7	
5962-8767107	PAL20L8-15		2 7	
5962-8767108	PAL20R8-15		2 7	
5962-8767109	PAL20R6-15		2 7	
5962-8767110	PAL20R4-15		2 7	
5962-8767201	82188		2 8	-
5962-8767301	DG180A		3 18	-
5962-8767401	LM160		2 10	-
5962-8767501	LM150		2 12	-
5962-8767502	LM150A		2 12	-
5962-8767601	MT4067-12		2 6	-
5962-8767602	MT4067-15		2 6	-
5962-8767603	MT4067-20		2 6	-
5962-8767604	MT4067-10		2 6	-
5962-8767701	HA-5330		2 20	
5962-8767901	4N55		1 22	-
5962-8767902	HCPL-5531		1 22	
5962-8767903	HCPL-6531		1 22	
5962-8768001	54HC4060		2 5	-
5962-8768101	1825		2 12	-
5962-8768201	82S153A		2 7	-
5962-8768301	54ALS139		2 4	-
5962-8768401M	87C51		2 8	-
5962-8768402M	87C51-16		2 8	
5962-8768501	8088		2 8	-
5962-8768601	7217L-40		2 4	
5962-8768602	7217L-55		2 4	
5962-8768603	7217L-75		2 4	
5962-8768701	HSDC-8920A		2 22	
5962-8768702	HSDC-8920		2 22	
5962-8768703	RDC14505-641		2 22	
5962-8768801	MN3008		1 16	
5962-8768802	MN3009		1 16	
5962-8768901	DG528		2 18	-
5962-8769001	27S29		2 7	-
5962-8769002	27S29A		2 7	-
5962-8769101	54AC151	76201	1 4	-
5962-8769201	54AC251	76205	2 4	-
5962-8769301	54AC253	76206	2 4	-
5962-8769401	54AC374	75602	1 3	-
5962-8769501	54AC540	75710	2 13	-
5962-8769701	54ACT377		2 3	
5962-8769801	54ACT153		2 4	
5962-8769901	54ACT00		2 1	
5962-8769902	54ACT11000		3 1	
5962-8770001	7524		2 16	-
5962-8770002	7524		2 16	-
5962-8770003	7524		2 16	-
5962-8770101	7528		2 16	-
5962-8770102	7528		2 16	-
5962-8770103	7528		2 16	-
5962-8770201	7545S		2 16	-
5962-8770202	7545T		2 16	-
5962-8770203	7545U		2 16	-
5962-8770204	7545G		2 16	-
5962-8770205	7545B		2 16	-
5962-8770206	7545A		2 16	-
5962-8770301	(SEE DWG)		2 6	-
5962-8770302	(SEE DWG)		2 6	-
5962-8770303	(SEE DWG)		2 6	-
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5962-8770402	29C863		2 13	-
5962-8770403	29C961		2 13	-
5962-8770404	29C963		2 13	-
5962-8770501	68172		2 8	-
5962-8770601	OP-17A		2 9	-
5962-8770602	OP-17B		2 9	-
5962-8770701	2907	44103	4 13	-
5962-8770801	29C10A		2 8	-
5962-8770802	39C10B		2 8	-
5962-8770803	39C10C		2 8	-
5962-8770804	7C910-51		2 8	-
5962-8770805	7C910-46		2 8	-
5962-8771001	LM158		2 9	-
5962-8771002	LM158A		2 9	-
5962-8771101	54221		3 3	-
5962-8771201	2004-25		2 6	-

MILITARY

MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING (Cont'd)

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
5962-8771202	2004		2 6	-
5962-8771301	8274		2 8	-
5962-8771401	OP14A		2 9	-
5962-8771402	OP14B		2 9	-
5962-8771501	OP207		2 9	
5962-8771601	MUX-08A		2 18	
5962-8771602	MUX-08B		2 18	
5962-8771701	MUX-16A		2 18	
5962-8771702	MUX-16B		2 18	
5962-8771801	MUX-24A		2 18	
5962-8771802	MUX-24B		2 18	
5962-8771901	AD625		2 9	-
5962-8772101	54HC125		2 2	F
5962-8772201	54HC4075		2 1	-
5962-8772301	54HC133		2 1	F
5962-8772401	54HC193	66307	2 5	F
5962-8772501	54HCT273		2 3	-
5962-8772701	10H507		2 1	-
5962-8772801	10H519		2 1	-
5962-8772901	10H564		2 4	-
5962-8773001	10H521		2 1	-
5962-8773201	54HC76		2 3	-
5962-8773301	54HC4511		2 4	
5962-8773401	82C284-10		2 8	-
5962-8773402	82C284-8		2 8	-
5962-8773403	82C284-6		2 8	-
5962-8773501	2100SG		2 8	-
5962-8773502	2100TG		2 8	-
5962-8773503	2100ASG		2 8	-
5962-8773504	2100ATG		2 8	-
5962-8773801	OP-77B		2 9	-
5962-8773802	OP-77A		2 9	-
5962-8773901	LM139A		2 10	-
5962-8774001	1543		2 24	-
5962-8774002	1544		2 24	-
5962-8774101	LT1033		2 12	-
5962-8774201	1834		2 12	-
5962-8774401	(SEE DWG)		2 7	-
5962-8774402	(SEE DWG)		2 7	-
5962-8775001	10612		2 1	-
5962-8775201	12540		2 23	-
5962-8775301	14551B		3 18	-
5962-8775401	54HC4053		2 18	-
5962-8775501	29821A		2 5	-
5962-8775502	29823A		2 5	-
5962-8775503	29825A		2 5	-
5962-8775504	29921A		2 5	-
5962-8775505	29923A		2 5	-
5962-8775506	29925A		2 5	-
5962-8775601	54AC273	75601	1 3	
5962-8775701	54ACT174		2 3	
5962-8775801	54AC245	75503	1 13	
5962-8775901	54ACT240		2 13	-
5962-8775902	54ACT11240		3 2	-
5962-8776001	54ACT244		2 2	-
5962-8776002	54ACT11244		2 2	
5962-8776101	54ACT253		2 4	-
5962-8776201	7575S		2 17	-
5962-8776202	7575T		2 17	-
5962-8776301	7537S		2 16	-
5962-8776302	7537T		2 16	-
5962-8776303	7537U		2 16	-
5962-8776601	54AS804		3 2	-
5962-8776701	54AS760		3 2	
5962-8776901	55121		2 13	-
5962-8777001	1532		2 12	
5962-8777101	OP-400A		2 9	-
5962-8777201	2952A		2 13	-
5962-8777202	2953A		2 2	-
5962-8777301	10598		2 3	-
5962-8777401	LM109	10701	1 12	F
5962-8777501	SG123		2 12	-
5962-8777601	7812A		2 12	-
5962-8777701	LM194		2 24	-
5962-8777801	LM195		2 24	-
5962-8778001	INA101		2 9	
5962-8778002	INA101		2 9	
5962-8778201	7805A		2 12	-
5962-8778301	HA-2400		2 9	
5962-8778501	HA-2541		2 9	
5962-8778502	EL-2041		2 9	
5962-8778601	TDC1046		2 17	-
5962-8778801	82S129A		2 7	F
5962-8778802	82S129A		2 7	F
5962-8778901	AD558S		3 16	-
5962-8778902	AD558T	14401	2 16	-
5962-8779101	57401		2 8	-
5962-8779102	57402		2 8	-
5962-8779103	57401A		2 8	-
5962-8779104	57402A		2 8	-
5962-8779105	C57401		2 8	-
5962-8779106	C57402		2 8	-
5962-8779107	C57401A		2 8	-
5962-8779108	C57402A		2 8	-
5962-8779109	57L401D		2 8	-
5962-8779110	57L402D		2 8	-
5962-8779111	57L4013D		2 8	-
5962-8779201	10558		2 4	-
5962-8779301	10586		2 3	
5962-8779401	54AS805		3 2	-
5962-8780101	AD567S		2 16	-
5962-8780201	7226		2 16	-
5962-8780301	MC4344		2 24	-
5962-8780401	54AS21		3 1	-
5962-8780501	54HC221		2 3	F
5962-8780502	54HC221A		3 3	
5962-8780601	54HC299	66506	2 5	F
5962-8780701	54HC377	65603	2 3	F
5962-8780801	54HC192	66306	2 5	F
5962-8780901	54HC640	65506	2 13	F
5962-8850101	80C186-10		2 8	
5962-8850102	80C186-12		2 8	
5962-8850201	HA-5104		2 9	
5962-8850301	TSC426		2 13	-
5962-8850302	TSC427		2 13	-
5962-8850303	TSC428		2 13	-
5962-8850304	TSC4423		2 13	
5962-8850305	TSC4424		2 13	
5962-8850306	TSC4425		2 13	
5962-8850307	TSC4426		2 13	
5962-8850308	TSC4427		2 13	
5962-8850309	TSC4428		2 13	
5962-8850401	PLS161		2 7	
5962-8850402	PLS173		2 7	
5962-8850501	AD573S		2 17	-
5962-8850502	AD673S		2 17	-
5962-8850601	68901-4		2 8	-
5962-8850602	68901-5		2 8	-
5962-8850701	PLS179		2 7	-
5962-8850801	ADC-HX		1 17	
5962-8850802	ADC-HZ		1 17	
5962-8850901	AD390S		1 16	
5962-8850902	AD390T		1 16	
5962-8851001	AD394S		1 16	
5962-8851002	AD394T		1 16	
5962-8851003	AD395S		1 16	
5962-8851004	AD395T		1 16	
5962-8851101	55116		2 13	-
5962-8851102	55117		2 13	-
5962-8851103	55118		2 13	-
5962-8851104	55119		2 13	-
5962-8851301	OP-42	12208	2 9	-
5962-8851302	OP-42B		2 9	
5962-8851401	HS9403-8		2 22	
5962-8851402	HS9403-16		2 22	
5962-8851501	(SEE DWG)		2 7	-
5962-8851502	(SEE DWG)		2 7	-
5962-8851503	(SEE DWG)		2 7	-
5962-8851504	(SEE DWG)		2 7	-
5962-8851601	29C821		2 5	-
5962-8851602	29C823		2 5	-
5962-8851603	29C921		3 5	-
5962-8851604	29C923		3 5	-
5962-8851701	DAC02310-112		2 16	
5962-8851702	DAC02310-113		2 16	
5962-8851801	(SEE DWG)		2 7	-
5962-8851802	(SEE DWG)		2 7	-
5962-8851803	(SEE DWG)		2 7	-
5962-8851901	UDS2981		2 13	-
5962-8851902	UDS2983		2 13	-
5962-8852001	54AC74	75302	1 3	-
5962-8852002	54AC11074		3 3	-
5962-8852201	54AS808		3 2	-
5962-8852301	54AS832B		3 2	
5962-8852501	(SEE DWG)		2 7	
5962-8852502	(SEE DWG)		2 7	
5962-8852503	(SEE DWG)		2 7	
5962-8852504	(SEE DWG)		2 7	
5962-8852505	(SEE DWG)		2 7	
5962-8852506	(SEE DWG)		2 7	
5962-8852507	(SEE DWG)		2 7	
5962-8852701	10564		2 4	
5962-8853201	TDC1049		2 17	-
5962-8853301	49C460A		2 8	-
5962-8853302	49C460B		2 8	-
5962-8853303	29C660A		2 8	
5962-8853304	29C660B		2 8	
5962-8853305	29C660C		2 8	
5962-8853306	49C460C		2 8	
5962-8853401	54ACT109		2 3	-
5962-8853402	54ACT11109		3 3	-
5962-8853501	7C901-32		2 8	-
5962-8853502	7C901-27		2 8	-
5962-8853701	OP-37A	13505	2 9	-
5962-8853702	OP37B		3 9	
5962-8853703	OP37C		3 9	
5962-8853801	OP215A		2 9	
5962-8853802	OP215B		2 9	
5962-8853803	OP215BR		2 9	
5962-8853901	AD524S	14301	2 9	-
5962-8854001	54ALS05A		2 1	-
5962-8854101	27S13A		2 7	
5962-8854102	27S13		2 7	
5962-8854201	ADC00300		2 17	
5962-8854301	54FCT521		2 4	
5962-8854302	54FCT521A		2 4	
5962-8854303	54FCT521B		2 4	
5962-8854401	(SEE DWG)		2 6	-
5962-8854402	(SEE DWG)		2 6	-
5962-8854403	(SEE DWG)		2 6	-
5962-8854404	(SEE DWG)		2 6	-
5962-8854501	(SEE DWG)		2 6	-
5962-8854502	(SEE DWG)		2 6	-
5962-8854503	(SEE DWG)		2 6	-

MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING(Cont'd)

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
5962-8854504	(SEE DWG)		2 6	-
5962-8854601	54F676		2 5	-
5962-8854701	8087-2		2 8	-
5962-8854702	8087		2 8	
5962-8854801	(SEE DWG)		2 7	
5962-8854901	(SEE DWG)		2 7	
5962-8854902	(SEE DWG)		2 7	
5962-8855001	54F273		2 3	-
5962-8855101	UH503		2 13	
5962-8855201	(SEE DWG)		2 6	-
5962-8855202	(SEE DWG)		2 6	-
5962-8855203	(SEE DWG)		2 6	-
5962-8855204	(SEE DWG)		2 6	-
5962-8855205	(SEE DWG)		2 6	
5962-8855206	(SEE DWG)		2 6	
5962-8855207	(SEE DWG)		2 6	
5962-8855208	(SEE DWG)		2 6	
5962-8855209	(SEE DWG)		2 6	
5962-8855301	7815A		2 12	-
5962-8855401	7824A		2 12	
5962-8855501	54F378	34108	2 5	-
5962-8855601	54HC4052		2 18	-
5962-8855701	10541		2 5	-
5962-8855901	OP421B		2 9	
5962-8855902	OP421C		2 9	
5962-8856001	10545		2 6	
5962-8856101	LM199A	12401	2 19	-
5962-8856102	LM199	12404	2 19	-
5962-8856201	LT1010		2 2	-
5962-8856301	DAC703		2 16	
5962-8856401	UH502		2 13	
5962-8856501	OP-470A		2 9	
5962-8856502	OP-471A		2 9	
5962-8856601	2681		2 13	-
5962-8856602	2681		2 13	-
5962-8856603	68681		2 13	-
5962-8856701	LT1037A		2 9	-
5962-8856801	8035AHL		2 8	-
5962-8856802	8048AH		2 8	-
5962-8857101	1596		2 24	
5962-8857201	68154		2 23	-
5962-8857301	29C853		2 13	-
5962-8857302	29C855		2 13	-
5962-8857401	54HC4078		2 1	-
5962-8857501	54FCT841A		2 3	
5962-8857502	54FCT841B		2 3	
5962-8857601	54HC21		2 1	F
5962-8857701	10521		2 1	-
5962-8857801	54ALS688		2 4	-
5962-8857901	HOS-050A		1 9	
5962-8857902	HOS-060SH		1 9	
5962-8858101	MOH0268D		2 13	
5962-8858201	MOH0272C		2 13	
5962-8858301	MOF1305D		2 13	
5962-8858401	MOR1623K		2 13	
5962-8858501	BUS-65600		2 13	
5962-8858601	BUS-66300II		2 8	
5962-8858701	(SEE DWG)		3 6	
5962-8858702	(SEE DWG)		2 6	
5962-8858801	(SEE DWG)		2 6	-
5962-8858802	(SEE DWG)		2 6	-
5962-8858803	(SEE DWG)		2 6	-
5962-8858901	54ALS20A	37003	1 1	F
5962-8859001	54ALS133	37005	1 1	F
5962-8859101	54ALS240A	38301	1 2	F
5962-8859301	OP-200A		2 9	-
5962-8859401	(SEE DWG)		2 6	-
5962-8859402	(SEE DWG)		2 6	-
5962-8859403	(SEE DWG)		2 6	-
5962-8859501	(SEE DWG)		2 6	-
5962-8859601	54ALS241	38302	1 2	F
5962-8859701	LT1004-1.2		2 19	-
5962-8859702	LT1004-2.5		2 19	-
5962-8859801	2925		2 8	-
5962-8859802	2925A		2 8	-
5962-8859901	32C201-10	55201	2 8	-
5962-8860001	LT1021BM-10		2 19	-
5962-8860002	LT1021CM-10		2 19	-
5962-8860003	LT1021DM-10		2 19	-
5962-8860201	54LS673		2 5	-
5962-8860401	29861A		2 13	-
5962-8860402	29863A		2 13	-
5962-8860501	29827A		2 2	-
5962-8860502	29828A		2 2	-
5962-8860601	54HC237		2 4	-
5962-8860701	54LS674		2 5	-
5962-8860801	54FCT821A		2 5	
5962-8860802	54FCT821B		2 5	
5962-8861001	(SEE DWG)		2 6	
5962-8861002	(SEE DWG)		2 6	
5962-8861003	(SEE DWG)		2 6	
5962-8861004	(SEE DWG)		2 6	
5962-8861101	(SEE DWG)		2 6	
5962-8861102	(SEE DWG)		2 6	
5962-8861103	(SEE DWG)		2 6	
5962-8861104	(SEE DWG)		2 6	
5962-8861105	(SEE DWG)		2 6	
5962-8861201	29C116		2 8	
5962-8861202	29C116-1		2 8	
5962-8861203	29C116-2		2 8	
5962-8861204	7C9116-40		2 8	
5962-8861301	39C60A		2 8	
5962-8861302	39C60		2 8	
5962-8861303	29C60A		2 8	
5962-8861701	SP8718		2 5	
5962-8861901	320C25		2 8	
5962-8862001	54HC09		2 1	F
5962-8862101	54ALS86		2 1	-
5962-8862201	LT1028M		2 9	
5962-8862202	LT1028AM		2 9	
5962-8862401	54HCT4059		2 5	-
5962-8862501	54ALS158		2 4	-
5962-8862601	54ALS258		2 4	-
5962-8862701	54F269		2 5	
5962-8862801	UT1553BB		2 8	-
5962-8862901	HS9324		2 16	
5962-8863001	AMP-01A		2 9	
5962-8863002	AMP-01B		2 9	
5962-8863101	DS1631		2 13	
5962-8863401	(SEE DWG)		2 7	
5962-8863402	(SEE DWG)		2 7	
5962-8863403	(SEE DWG)		2 7	
5962-8863404	(SEE DWG)		2 7	
5962-8863501	(SEE DWG)		2 7	
5962-8863601	7C235-40		2 7	
5962-8863602	7C235-30		2 7	
5962-8863701	20G10-40		2 7	-
5962-8863702	20G10-30		2 7	-
5962-8863802	2018		2 7	
5962-8863803	2018		2 7	
5962-8863804	2018		2 7	
5962-8863901	54FCT573		2 3	
5962-8863902	54FCT573A		2 3	
5962-8864001	54FCT161		2 5	
5962-8864101	LTC1060A		2 24	-
5962-8864301	49C410		2 8	-
5962-8864302	49C410A		2 8	-
5962-8864401	UT63M105		2 13	
5962-8864402	UT63M107		2 13	
5962-8864403	UT63M115		2 13	
5962-8864404	UT63M117		2 13	
5962-8864405	UT63M125		2 13	
5962-8864406	UT63M127		2 13	
5962-8864407	UT63M135		2 13	
5962-8864408	UT63M137		2 13	
5962-8864501	1553RTMP		2 8	
5962-8864601	(SEE DWG)		2 12	
5962-8864701	LT1021BM-7		2 19	
5962-8864702	LT1021DM-7		2 19	
5962-8864801	55ALS194		2 13	
5962-8864901	55ALS195		2 13	
5962-8865001	AD7820U		2 17	
5962-8865002	AD7820T		2 17	
5962-8865101	54FCT533		2 3	
5962-8865102	54FCT533A		2 3	
5962-8865201	54FCT182		2 4	
5962-8865202	54FCT182A		2 4	
5962-8865301	54FCT645		2 13	
5962-8865302	54FCT645A		2 13	
5962-8865401	54FCT640		2 13	
5962-8865402	54FCT640A		2 13	
5962-8865501	54FCT534		2 3	
5962-8865502	54FCT534A		2 3	
5962-8865601	54FCT823A		2 5	
5962-8865602	54FCT823B		2 5	
5962-8865701	54FCT163		2 5	-
5962-8865702	54FCT163A		2 5	-
5962-8865801	AD578SD		1 17	
5962-8865802	AD578TD		1 17	
5962-8865803	AD578ZSD		1 17	
5962-8865804	AD578ZTD		1 17	
5962-8865901	AD667S		2 16	
5962-8866101	54FCT863A		2 13	
5962-8866102	54FCT863B		2 13	
5962-8866201	(SEE DWG)		2 6	-
5962-8866202	(SEE DWG)		2 6	-
5962-8866203	(SEE DWG)		2 6	-
5962-8866204	(SEE DWG)		2 6	-
5962-8866301	7228T		2 16	
5962-8866302	7228U		2 16	
5962-8866401	SG3081		2 24	
5962-8866501	(SEE DWG)		2 6	
5962-8866502	(SEE DWG)		2 6	
5962-8866503	(SEE DWG)		2 6	
5962-8866504	(SEE DWG)		2 6	
5962-8866505	(SEE DWG)		2 6	
5962-8866506	(SEE DWG)		2 6	
5962-8866601	68155		2 23	-
5962-8866801	54ALS534		2 3	-
5962-8866901	7203S80		2 8	
5962-8866902	7203S65		2 8	
5962-8866903	7203S50		2 8	
5962-8866904	7203S40		2 8	
5962-8866905	7C429-30		2 8	
5962-8867001	C22V10		2 7	-
5962-8867002	C22V10		2 7	-
5962-8867003	C22V10		2 7	-
5962-8867004	C22V10		2 7	
5962-8867101	54HCT191		2 5	-
5962-8867201	54HCT85		2 4	-
5962-8867301	54ALS652		2 13	
5962-8867401	54FCT825A		2 5	
5962-8867402	54FCT825B		2 5	
5962-8867501	54FCT845A		2 8	

MILITARY

MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING (Cont'd)

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
5962-8867502	54FCT845B		2 8	
5962-8867601	(SEE DWG)		2 7	
5962-8867602	(SEE DWG)		2 7	
5962-8867603	(SEE DWG)		2 7	
5962-8867701	2903A		2 8	-
5962-8867801	C16L8-40		2 7	
5962-8867802	C16R8-40		2 7	
5962-8867803	C16R6-40		2 7	
5962-8867804	C16R4-40		2 7	
5962-8867805	C16L8-30		2 7	
5962-8867806	C16R8-30		2 7	
5962-8867807	C16R6-30		2 7	
5962-8867808	C16R4-30		2 7	
5962-8867809	C16L8-20		2 7	
5962-8867810	C16R8-20		2 7	
5962-8867811	C16R6-20		2 7	
5962-8867812	C16R4-20		2 7	
5962-8868101	(SEE DWG)		2 6	-
5962-8868102	(SEE DWG)		2 6	-
5962-8868103	(SEE DWG)		2 6	-
5962-8868104	(SEE DWG)		2 6	-
5962-8868201	54HC253B	66206	2 4	F
5962-8868301	(SEE DWG)		2 6	
5962-8868302	(SEE DWG)		2 6	
5962-8868303	(SEE DWG)		2 6	
5962-8868401	SP8755		2 5	
5962-8868501	TL7705AM		2 24	-
5962-8868502	TL7702AM		2 24	
5962-8868701	54AS652		3 13	-
5962-8868901	Z85C3006SCC	48601	1 8	
5962-8868902	85C3008SCC	48602	1 8	
5962-8868903	AM85C30-10		2 8	
5962-8868904	AM85C30-12		2 8	
5962-8868905	AM85C30-16		2 8	
5962-8868906	AM85C30-8		2 8	
5962-8869001	(SEE DWG)		2 7	
5962-8869002	(SEE DWG)		2 7	
5962-8869101	54ALS520		2 4	
5962-8869201	(SEE DWG)		2 8	
5962-8869202	(SEE DWG)		2 8	
5962-8869203	(SEE DWG)		1 8	
5962-8869204	(SEE DWG)		1 8	
5962-8869301	54ALS804		2 13	-
5962-8869401	54ALS805A		2 13	-
5962-8869501	54ALS808		2 13	-
5962-8869601	2968A		2 8	-
5962-8869602	2968A		2 8	-
5962-8869701	UC1903		2 24	
5962-8869801	54ALS193		2 5	-
5962-8869901	HI-516		2 18	
5962-8870001	54ALS563A		2 3	
5962-8870101	OPA541		2 9	
5962-8870201	54AC377	75603	2 3	
5962-8870301	54AC257	76207	2 4	
5962-8870401	54ACT258		2 4	
5962-8870501	54ACT821		2 3	
5962-8870601	54AC541	75711	2 2	
5962-8870701	54F776		2 13	
5962-8870801	54F30		2 1	-
5962-8870901	54F36		2 1	-
5962-8871001	54F518		2 4	-
5962-8871101	54F519		2 4	-
5962-8871201	54F520		2 4	
5962-8871301	C16L8-40		2 7	
5962-8871302	C16R8-40		2 7	
5962-8871303	C16R6-40		2 7	
5962-8871304	C16R4-40		2 7	
5962-8871305	C16L8-30		2 7	
5962-8871306	C16R8-30		2 7	
5962-8871307	C16R6-30		2 7	
5962-8871308	C16R4-30		2 7	
5962-8871309	C16L8-20		2 7	
5962-8871310	C16R8-20		2 7	
5962-8871311	C16R6-20		2 7	
5962-8871312	C16R4-20		2 7	
5962-8871501	55454	12905	1 13	F
5962-8871502	55464	12910	2 13	-
5962-8871503	55474		2 13	
5962-8871601	SG1626		2 13	
5962-8871801	54HC05		2 1	
5962-8872101	OP-270A		2 9	
5962-8872102	OP-271A		2 9	
5962-8872201	54F30244		2 2	
5962-8872301	54F09		2 1	
5962-8872401	C22V10L-25		2 7	
5962-8872402	C22V10L-30		2 7	
5962-8872403	C22V10L-40		2 7	
5962-8872404	C22V10L		2 7	
5962-8872501	(SEE DWG)		2 6	
5962-8872502	(SEE DWG)		2 6	
5962-8872503	(SEE DWG)		2 6	
5962-8872504	(SEE DWG)		2 6	
5962-8872505	(SEE DWG)		2 6	
5962-8872601	V750-40		2 7	
5962-8872602	V750-35		2 7	
5962-8872701	54ALS640A	38501	2 13	-
5962-8872801	54ALS564A		3 3	
5962-8872901	54AS1004A		3 2	
5962-8873001	54AS1032A		3 2	
5962-8873101	54AS1034A		2 2	
5962-8873301	721055		2 4	
5962-8873302	721065		2 4	
5962-8873303	721075		2 4	
5962-8873401	(SEE DWG)		2 7	
5962-8873402	(SEE DWG)		2 7	
5962-8873403	(SEE DWG)		2 7	
5962-8873404	(SEE DWG)		2 7	
5962-8873501	(SEE DWG)		2 7	
5962-8873502	(SEE DWG)		2 7	
5962-8873503	(SEE DWG)		2 7	
5962-8873504	(SEE DWG)		2 7	
5962-8873601	29FCT520A		2 5	
5962-8873602	29FCT521A		2 5	
5962-8873603	29FCT520B		2 5	
5962-8873604	29FCT521B		2 5	
5962-8873701	54ALS1245A		2 13	
5962-8873801	54ALS1244A		2 2	
5962-8873901	TMC208KB5V		2 4	
5962-8873902	TMC208KB5V1		2 4	
5962-8873903	TMC28KUB5V		2 4	
5962-8873904	TMC28KUB5V1		2 4	
5962-8874001	(SEE DWG)		2 6	
5962-8874002	(SEE DWG)		2 6	
5962-8874101	54ALS259		2 3	
5962-8874201	54ALS1035	38412	2 2	-
5962-8874301	75C48S20		2 17	
5962-8874302	78C48SC30		2 17	
5962-8874401	55113		2 13	
5962-8874501	55115		2 13	F
5962-8874601	7905A		3 12	
5962-8874701	7912A		3 12	
5962-8874801	7915A		3 12	
5962-8874901	7924A		2 12	
5962-8875001	IH5352		2 18	
5962-8875101	(SEE DWG)		2 13	
5962-8875102	(SEE DWG)		2 13	
5962-8875201	54F14		2 1	
5962-8875301	54AS651		3 13	
5962-8875401	54AC299	76506	1 5	
5962-8875501	54ACT158		2 4	
5962-8875601	54ACT151		2 4	
5962-8875701	54HCT4046A		2 24	
5962-8875801	54HC4016		2 18	
5962-8875901	54HCT173		2 3	
5962-8876001	LT1013A		2 9	
5962-8876002	LT1013		2 9	
5962-8876101	78S40		2 12	
5962-8876201	LT1021BM-5		2 19	
5962-8876202	LT1021CM-5		2 19	
5962-8876203	LT1021DM-5		2 19	
5962-8876301	1568		2 12	
5962-8876302	1568		2 12	
5962-8876401	7824T		2 17	
5962-8876402	7824U		2 17	
5962-8876403	7828T		2 17	
5962-8876404	7828U		2 17	
5962-8876501	7549S		2 16	
5962-8876502	7549T		2 16	
5962-8876801	HCPL-5201		1 22	
5962-8876901	HCPL-5231		1 22	
5962-8876902	HCPL-6231		1 22	
5962-8877001	TSC429		2 13	
5962-8877002	TSC4429		2 13	
5962-8877003	TSC4420		2 13	
5962-8877101	54ACT299		2 5	
5962-8877201	ICL8038		2 24	
5962-8877401	54F51		2 1	
5962-8877501	54FCT646		2 13	
5962-8877502	54FCT646A		2 13	
5962-8877601	HS1068		2 17	
5962-8877801	(SEE DWG)		2 16	
5962-8877802	(SEE DWG)		2 16	
5962-8944101	UC1901		2 24	
5962-8944501	54HC4059		2 5	
5962-8944601	TMC2011V		2 5	
5962-8944602	TMC2111V		2 5	
5962-8944701H	ARX3416		2 13	
5962-8944702H	NHI-1501		2 13	
5962-8944703H	FC1553622		2 13	
5962-8944704H	BUS63135II		2 13	
5962-8945801	54HCT4020		2 5	
5962-8946401	68030-16		2 8	
5962-8946402	68030-20		2 8	
5962-8946403	68030-25		2 8	
5962-8946404	68030-33		2 8	
5962-8946601	54F620		2 13	
5962-8947701	HCPL-5761		1 22	
5962-8947901	REF10A	12403	2 19	
5962-8947902	REF10B		2 19	
5962-8948101	AD7541AS		2 16	
5962-8948102	AD7541AT		2 16	
5962-8948103	PM7541AB		2 16	
5962-8948104	PM7541AA		2 16	
5962-8948301	LTC1064		2 24	
5962-8949201	54HC423A		2 3	
5962-8949401	TLC272		2 9	
5962-8949402	TLC277		2 9	
5962-8949403	TLC27L2		2 9	
5962-8949404	TLC27L7		2 9	
5962-8949801	SDC14561-114		2 24	

MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING(Cont'd)

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NOTA
5962-8949802	SDC14561-115		2	24
5962-8949901	SDC14560-114		2	24
5962-8949902	SDC14560-115		2	24
5962-8949903	SDC14560-605		2	24
5962-8949904	HSD1066-341H		2	24
5962-8949905	HSD1066-341V		2	24
5962-8949906	HSD1066-381H		2	24
5962-8950101	UT1553BRTI	55501	1	8
5962-8950201	HA-2544		2	9
5962-8950301	TLC555	14901	2	14
5962-8950302	TLC556	14902	2	14
5962-8950303	7555	14903	2	14
5962-8950304	7556	14904	2	14
5962-8950401	LT1017		2	10
5962-8950402	LT1018		2	10
5962-8950601	54FCT827A		2	13
5962-8950602	54FCT827B		2	13
5962-8950701	54HC4066		2	18
5962-8950801	54FCT139		2	4
5962-8950802	54FCT139A		2	4
5962-8950901	RGBDAC3808H		1	16
5962-8951001	54F27		2	1
5962-8951101	1525A	12602	1	12 -
5962-8951102	1527A	12604	1	12 -
5962-8951103	UC1525A		2	12
5962-8951104	UC1527A		2	12
5962-8951201	56001-20		2	8
5962-8951301	54FCT574		2	3
5962-8951302	54FCT574A		2	3
5962-8951401	Z84C2006		2	8
5962-8951501	Z84C3006		2	8
5962-8951601	Z84C4206		2	8
5962-8951701	7C9101-45		2	8
5962-8951702	7C9101-35		2	8
5962-8951901	BX1750A		2	8
5962-8951991	BX1750A		2	8
5962-8952001	(SEE DWG)		2	12
5962-8952101	(SEE DWG)		2	12
5962-8952201	BUS-63147		2	13
5962-8952202	2453		2	13
5962-8952203	NHI-1529		2	13
5962-8952204	BUS-63148		2	13
5962-8952205	CT2521		2	13
5962-8952301	(SEE DWG)		2	8
5962-8952302	(SEE DWG)		2	8
5962-8952303	(SEE DWG)		2	8
5962-8952304	(SEE DWG)		2	8
5962-8952401	(SEE DWG)		2	6
5962-8952402	(SEE DWG)		2	6
5962-8952403	(SEE DWG)		2	6
5962-8952404	(SEE DWG)		2	6
5962-8952405	(SEE DWG)		2	6
5962-8952501	54AS823		3	3
5962-8952601	54AS869		3	5
5962-8952701	68HC811E2		2	8
5962-8952801	DAC-HKB		1	16
5962-8952802	DAC-HKB-2		1	16
5962-8953101H	DAC-HPB		1	16
5962-8953102H	DAC-HPB-1		1	16
5962-8953103H	MN3290T/B-V		2	16
5962-8953104H	MN3291T/B-V		2	16
5962-8953201	88C681		2	13
5962-8953202	88C681		2	13
5962-8953203	68C681		2	13
5962-8953301	54FCT861A		2	13
5962-8953302	54FCT861B		2	13
5962-8953401	80387-16		2	8
5962-8953402	80387-20		2	8
5962-8953403	80387-25		2	8
5962-8953501	54F657		2	13
5962-8953601	(SEE DWG)		2	8
5962-8953602	(SEE DWG)		2	8
5962-8953603	(SEE DWG)		2	8
5962-8953604	(SEE DWG)		2	8
5962-8953605	(SEE DWG)		2	8
5962-8953701	(SEE DWG)		2	7
5962-8953702	(SEE DWG)		2	7
5962-8953801	(SEE DWG)		2	7
5962-8953802	(SEE DWG)		2	7
5962-8953901	54AC157	76203	1	4
5962-8954001	(SEE DWG)		2	7
5962-8954002	(SEE DWG)		2	7
5962-8954101	SMP-11A		3	20
5962-8954201	OP-15A		3	9
5962-8954301	OP-16A		3	9
5962-8954401	OP-97		2	9
5962-8954501	54F579		2	5
5962-8954601	(SEE DWG)		2	7
5962-8954602	(SEE DWG)		2	7
5962-8954603	(SEE DWG)		2	7
5962-8954701	54ACT11008		3	1
5962-8954801	HA-5102		2	9
5962-8954901	29818A		2	5
5962-8955001	54AC86	75202	1	1
5962-8955101	54AC109	75304	2	3
5962-8955201	54AC175	75308	2	3
5962-8955301	54AS640		3	13
5962-8955401	54F21		2	1
5962-8955501	54F544		2	13
5962-8955601	54ACT563		2	3
5962-8955701	54ACT564		2	3
5962-8955801	54F652		2	13
5962-8956001	SMJ4461		2	6
5962-8956101	54AC161	76302	2	5
5962-8956201	LT1054M		2	24
5962-8956301H	MN5290		2	17
5962-8956302H	MN5291		2	17
5962-8956401	604A		2	24
5962-8956501	HS362		2	18
5962-8956601H	HS9716		1	20
5962-8956701	(SEE DWG)		2	8
5962-8956702	(SEE DWG)		2	8
5962-8956703	(SEE DWG)		2	8
5962-8956704	(SEE DWG)		2	8
5962-8956705	(SEE DWG)		2	8
5962-8956801	(SEE DWG)		2	8
5962-8956802	(SEE DWG)		2	8
5962-8956803	(SEE DWG)		2	8
5962-8956804	(SEE DWG)		2	8
5962-8956805	(SEE DWG)		2	8
5962-8956901H	MN5295		1	17
5962-8957001	HCPL-5401		1	22
5962-8957101	HCPL-5431		1	22
5962-8957102	HCPL-6431		1	22
5962-8957201	HCPL-1931		1	22
5962-8957301	54F299		2	5
5962-8957401	54ALS165		2	5
5962-8957501	UT1760ARTS		2	23
5962-8957601	UT1553BRTR		2	23
5962-8957701	UT1553BBCRTM		2	8
5962-8958101	REF01A		2	19
5962-8958102	REF01		2	19
5962-8958201	54AC163	76304	2	5
5962-8958301	5200	12001	2	17
5962-8958302	5203	12002	2	17
5962-8958303	MN5201		1	17
5962-8958304	5204	12004	2	17
5962-8958305	5202	12005	2	17
5962-8958306	5205	12006	2	17
5962-8958307	5206	12007	2	17
5962-8958401	5210	12009	2	17
5962-8958402	5213	12010	2	17
5962-8958403	5211	12011	2	17
5962-8958404	5214	12012	2	17
5962-8958405	5212	12013	2	17
5962-8958406	5215	12014	2	17
5962-8958407	MN5216		1	17
5962-8958601	LM1578		2	12
5962-8958701	LM2940-5.0		2	12
5962-8958801	LM105		3	12
5962-8958901	LM107		2	9
5962-8959001	(SEE DWG)		2	7
5962-8959201	3231		2	13
5962-8959202	3232		2	13
5962-8959203	3231		2	13
5962-8959204	3232		2	13
5962-8959205	ARX3467		2	13
5962-8959206	ARX3464		2	13
5962-8959301	82380		2	8
5962-8959401	CLC231A		1	9
5962-8959501	MN5245		1	17
5962-8959502	MN5245A		1	17
5962-8959503	MN5246		1	17
5962-8959504	MN5246A		1	17
5962-8959601	8097BH		2	8
5962-8959801M	(SEE DWG)		2	6
5962-8959802M	(SEE DWG)		2	6
5962-8959803M	(SEE DWG)		2	6
5962-8959804M	(SEE DWG)		2	6
5962-8959805M	(SEE DWG)		2	6
5962-8959806M	(SEE DWG)		2	6
5962-8959807M	(SEE DWG)		2	6
5962-8959808M	(SEE DWG)		2	6
5962-8959809M	(SEE DWG)		2	6
5962-8959810M	(SEE DWG)		2	6
5962-8959811M	(SEE DWG)		2	6
5962-8959812M	(SEE DWG)		2	6
5962-8959813M	(SEE DWG)		2	6
5962-8959814M	(SEE DWG)		2	6
5962-8959815M	(SEE DWG)		2	6

MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING (Cont'd)

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
5962-8959816M (SEE DWG)			2	6
5962-8959817M (SEE DWG)			2	6
5962-8959818M (SEE DWG)			2	6
5962-8959819M (SEE DWG)			2	6
5962-8959820M (SEE DWG)			2	6
5962-8959821M (SEE DWG)			2	6
5962-8959822M (SEE DWG)			2	6
5962-8959823M (SEE DWG)			2	6
5962-8959824M (SEE DWG)			2	6
5962-8959825M (SEE DWG)			2	6
5962-8959826M (SEE DWG)			2	6
5962-8959827M (SEE DWG)			2	6
5962-8959828M (SEE DWG)			2	6
5962-8959829M (SEE DWG)			2	6
5962-8959830M (SEE DWG)			2	6
5962-8959831M (SEE DWG)			2	6
5962-8959832M (SEE DWG)			2	6
5962-8959833M (SEE DWG)			2	6
5962-8959834M (SEE DWG)			2	6
5962-8959835M (SEE DWG)			2	6
5962-8959836M (SEE DWG)			2	6
5962-8959837M (SEE DWG)			2	6
5962-8959838M (SEE DWG)			2	6
5962-8959901	54ACT251		2	4
5962-8960101	54ACT574		2	3
5962-8960201	54ALS541		2	2
5962-8960301	54HC590		2	5
5962-8960401	UH-432		2	13
5962-8960402	UH-432-1		2	13
5962-8960403	UH-532		2	13
5962-8960901	54HC4046A		2	24
5962-8961001	LT1009		2	19
5962-8961101	UC1706		2	13
5962-8961401M (SEE DWG)			2	7
5962-8961402M (SEE DWG)			2	7
5962-8961403M (SEE DWG)			2	7
5962-8961404M (SEE DWG)			2	7
5962-8961405M (SEE DWG)			2	7
5962-8961406M (SEE DWG)			2	7
5962-8961407M (SEE DWG)			2	7
5962-8961408M (SEE DWG)			2	7
5962-8961409M (SEE DWG)			2	7
5962-8961501	DS16F95		2	13
5962-8961601	ADC-908A		2	17
5962-8961602	ADC-908B		2	17
5962-8961603	PM-7574A		2	17
5962-8961604	PM-7574B		2	17
5962-8961701	AD767		2	16
5962-8962001	EL2020		2	24
5962-8962101	LM6161		2	9
5962-8962201	LT1022A		2	9
5962-8962202	LT1022		2	9
5962-8962301	EL2003		2	24
5962-8962302	EL2033		2	24
5962-8962401	LM6164		2	9
5962-8962501	LM6165		2	9
5962-8962601	7806A		2	12
5962-8962701	HA-5127		2	9
5962-8962702	HA-5137		2	9
5962-8962703	HA-5147		2	9
5962-8962801	7808A		2	12
5962-8962901	AD7569S		2	24
5962-8962902	AD7569T		2	24
5962-8963001	78C120		2	13
5962-8963301	HA-5033		2	24
5962-8963401	HA-5114		2	9
5962-8963501	HA-5101		2	9
5962-8963601	HA-5002		2	24
5962-8963701	AD637		2	24
5962-8963801	TSC170		2	24
5962-8963802	TSC171		2	24
5962-8963901	LM604		2	9
5962-8965201	54FCT399		2	5
5962-8965202	54FCT399A		2	5
5962-8965301	BT102		2	16
5962-8965401	AD9012S		2	17
5962-8965402	AD9012T		2	17
5962-8965501	AD7672TQ10		2	17
5962-8965502	AD7672UQ10		2	17
5962-8965503	AD7672TQ05		2	17
5962-8965504	AD7672UQ05		2	17
5962-8965601	HA-5141		2	9
5962-8965602	HA-5142		2	9
5962-8965603	HA-5144		2	9
5962-8965701	7547S		2	16
5962-8965702	7547T		3	16
5962-8965703	7547U		2	16
5962-8965801	54ACT534		2	3
5962-8965802	54ACT11534		3	3
5962-8965901	EL2004		1	24
5962-8966101	(SEE DWG)		2	8
5962-8966102	(SEE DWG)		2	8
5962-8966301	54AS286		2	4
5962-8966401	(SEE DWG)		2	8
5962-8966402	(SEE DWG)		2	8
5962-8966501	54FCT824A		2	5
5962-8966502	54FCT824B		2	5
5962-8966601	(SEE DWG)		2	8
5962-8966602	(SEE DWG)		2	8
5962-8966603	(SEE DWG)		2	8
5962-8966604	(SEE DWG)		2	8
5962-8966605	(SEE DWG)		2	8
5962-8966606	(SEE DWG)		2	8
5962-8966701	(SEE DWG)		2	7
5962-8966801	54AS867		3	5
5962-8966901	SW-06B		2	18
5962-8967001	OP490A		2	9
5962-8967101	DAC8221A		2	16
5962-8967201	DAC8222A		2	16
5962-8967301	OP-50A		2	9
5962-8967302	OP-50B		2	9
5962-8967401	CS5014-S		2	17
5962-8967402	CS5014-T		2	17
5962-8967601	CS5016-S		2	17
5962-8967602	CS5016-T		2	17
5962-8967701	LT1014A		2	9
5962-8967702	LT1014		2	9
5962-8967801	DAC-8408A		2	16
5962-8967802	DAC-8408B		2	16
5962-8967901	CS5012		2	17
5962-8968001	55ALS160		2	13
5962-8968101	55ALS161		2	13
5962-8968201	54AC646	75508	2	13
5962-8968301H (SEE DWG)			2	22
5962-8968302H (SEE DWG)			2	22
5962-8968303H (SEE DWG)			2	22
5962-8968401	2821		2	24
5962-8968501	2823		2	24
5962-8968601	2824		2	24
5962-8968701	54ALS653		2	13
5962-8968801	54ACT157		2	4
5962-8968901	54ACT257		2	4
5962-8969001	(SEE DWG)		2	6
5962-8969002	(SEE DWG)		2	6
5962-8969201	(SEE DWG)		2	6
5962-8969202	(SEE DWG)		2	6
5962-8969203	(SEE DWG)		2	6
5962-8969204	(SEE DWG)		2	6
5962-8969301	54ACT175		2	3
5962-8969401	7C190		2	6
5962-8969501	54HC113		2	3
5962-8969601	(SEE DWG)		2	6
5962-8969602	(SEE DWG)		2	6
5962-8969603	(SEE DWG)		2	6
5962-8969604	(SEE DWG)		2	6
5962-8969605	(SEE DWG)		2	6
5962-8969606	(SEE DWG)		2	6
5962-8969701	AD7846		2	16
5962-8969801	AD7579		2	17
5962-8969802	AD7580		2	17
5962-8970001	54HCT123		2	3
5962-8970101	54HCT175		2	3
5962-8970201	54HCT112		2	3
5962-8970301	54HCT27		2	1
5962-8970401	54HCT164		2	5
5962-8970501	54HCT257		2	4
5962-8970701	54HCT162		2	5
5962-8970801	54HCT258		2	4
5962-8970901	54HCT11		2	1
5962-8971001	ADG526A		2	18
5962-8971002	ADG527A		2	18
5962-8971101	TMC2023V		2	23
5962-8971102	TMC2023V1		2	23
5962-8971201	(SEE DWG)		2	6
5962-8971202	(SEE DWG)		2	6
5962-8971203	(SEE DWG)		2	6
5962-8971204	(SEE DWG)		2	6
5962-8971801	HS3020		1	16
5962-8972201	54F30245		2	13

MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING(Cont'd)

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
5962-8972301	54F259		2	3
5962-8972401	54F574	34110	2	3
5962-8972501	82510		2	8
5962-8972601M		80C451	3	8
5962-8972602M		83C451	2	8
5962-8972801	AD588S		2	19
5962-8972802	AD588T		2	19
5962-8972901	54AC158	76204	2	4
5962-8973001	54FCT543		2	13
5962-8973002	54FCT543A		2	13
5962-8973101	54FCT833A		2	13
5962-8973102	54FCT833B		2	13
5962-8973201	54FCT241		2	2
5962-8973202	54FCT241A		2	2
5962-8973301	54FCT191		2	5
5962-8973302	54FCT191A		2	5
5962-8973401	54ACT04		2	1
5962-8973402	54ACT11004		3	1
5962-8973501	54ACT273		2	3
5962-8973601	54ACT32		2	1
5962-8973602	54ACT11032		3	1
5962-8974001	54HCT640		2	13
5962-8974101	54HCT597		2	5
5962-8974301	54HCT174		2	3
5962-8974501	54HCT238		2	4
5962-8974601	54HCT30		2	1
5962-8974701	54HCT04	65751	1	1
5962-8974801	54LS642		2	13
5962-8974901	54AC191	76305	2	5
5962-8975101	54HCT02		2	1
5962-8975401	54F646		2	13
5962-8975402	54F648		2	13
5962-8975501	C22V10L		2	7
5962-8975502	C22V10L		2	7
5962-8975503	C22V10L		2	7
5962-8975701	54AS885		3	4
5962-8976301	DG403		2	18
5962-8976501	54HC283		2	4
5962-8976601	54FCT541		2	2
5962-8976602	54FCT541A		2	2
5962-8976701	54FCT540		2	2
5962-8976702	54FCT540A		2	2
5962-8976901	54HCT377		2	3
5962-8977101	54HCT4060		2	5
5962-8977501	EN2015		2	24
5962-8977502	EN2015A		2	24
5962-8977601	EN2016		2	24
5962-8977602	EN2016A		2	24
5962-8977701	7684T		2	17
5962-8977702	7684S		2	17
5962-8978001	3523		2	24
5962-8978201	LTC1052		2	9
5962-8978301	OP-290		2	9
5962-8978501	HCPL-5731		1	22
5962-8978502	HCPL-6731		1	22
5962-8979301	54ACT520		2	4
5962-8979302	54ACT521		2	4
5962-8979303	54ACT11520		2	4
5962-8979304	54ACT11521		2	4
5962-8979901	FC155391		2	13
5962-8979902	FC155392		2	13
5962-8980301	SL523AC		2	24
5962-8980701	AD630		2	24
5962-8980901	AD539		2	24
5962-8981001	HCPL-5701		1	22
5962-8981301	1437		2	9
5962-8981701	(SEE DWG)		2	7
5962-8981702	(SEE DWG)		2	7
5962-8982101	DS1634		2	13
5962-8982401	AD586S		2	19
5962-8982402	AD586T		2	19
5962-8982501	AD587SQ		2	19
5962-8982502	AD587TQ		2	19
5962-8982503	AD587UQ		3	19
5962-8982601	BUS-63127II		2	13
5962-8982602	ARX3419		2	13
5962-8982603	NHI-1502		2	13
5962-8982604	NHI-1523		2	13
5962-8982605	FC1553721		2	13
5962-8982606	CT1589D		2	13
5962-8983001	LTC1090		2	8
5962-8983901	16V8A		2	7
5962-8983902	16V8A		2	7
5962-8983903	16V8A		2	7
5962-8984001	20V8		2	7
5962-8984002	20V8		2	7
5962-8984003	20V8		2	7
5962-8984101	22V10		2	7
5962-8984102	22V10		2	7
5962-8984103	22V10		2	7
5962-8984104	22V10		2	7
5962-8984105	22V10		2	7
5962-8984201	ICL8211		2	24
5962-8984202	ICL8212		2	24
5962-8984301	54HCT10		2	1
5962-8984401	54HCT86		2	1
5962-8984501	54HCT132		2	1
5962-8984701	54ACT241		2	2
5962-8984702	54ACT11241		3	2
5962-8984901	54HCT534		2	3
5962-8985501M	CY7C331-40		2	7
5962-8985502M	CY7C331-30		2	7
5962-8985503M	CY7C331-25		2	7
5962-8985601	10H509		2	1
5962-8985801	CLC206A		2	9
5962-8986301	(SEE DWG)		2	8
5962-8986302	(SEE DWG)		2	8
5962-8986303	(SEE DWG)		2	8
5962-8986304	(SEE DWG)		2	8
5962-8986305	(SEE DWG)		2	8
5962-8986306	(SEE DWG)		2	8
5962-8986701	UH-507		2	13
5962-8987101	CMP-01		2	10
5962-8987701	(SEE DWG)		3	13
5962-8988301	(SEE DWG)		2	6
5962-8988302	(SEE DWG)		2	6
5962-8988303	(SEE DWG)		2	6
5962-8988901	54ALS870		2	5
5962-8989001	54HCT393		2	5
5962-8989101	(SEE DWG)		2	6
5962-8989102	(SEE DWG)		2	6
5962-8989103	(SEE DWG)		2	6
5962-8989104	(SEE DWG)		2	6
5962-8989105	(SEE DWG)		2	6
5962-8989106	(SEE DWG)		2	6
5962-8989201	(SEE DWG)		2	6
5962-8989202	(SEE DWG)		2	6
5962-8989203	(SEE DWG)		2	6
5962-8989204	(SEE DWG)		2	6
5962-8989205	(SEE DWG)		2	6
5962-8989206	(SEE DWG)		2	6
5962-8990401	CMP404A		2	10
5962-8990402	CMP404B		2	10
5962-8990403	CMP04B		2	10
5962-8990801	SDC14565-114		2	24
5962-8990802	SDC14565-115		2	24
5962-8990803	SDC14565-616		2	24
5962-8990804	SDC14566-115		2	24
5962-8990805	SDC14565-618		2	24
5962-8991001	CLC200A		2	9
5962-8991101	CLC220A		2	9
5962-8992101	LM129A	12402	2	19 -
5962-8992102	LM129B	12406	2	19 -
5962-8992103	LM129C		2	19
5962-8992501	54LS378		2	3
5962-8992801	BT458		2	16
5962-8993201	DAC08		2	16
5962-8994201	(SEE DWG)		2	8
5962-8994202	(SEE DWG)		2	8
5962-8994203	(SEE DWG)		2	8
5962-8994204	(SEE DWG)		2	8
5962-8994301	(SEE DWG)		2	8
5962-8994302	(SEE DWG)		2	8
5962-8994303	(SEE DWG)		2	8
5962-8994304	(SEE DWG)		2	8
5962-8994401	54LS248		2	4
5962-8994501	54ALS996		2	3
5962-8994601	54HC190		2	5
5962-8994701M	54HCT4040		2	5
5962-8995101	(SEE DWG)		2	6
5962-8995102	(SEE DWG)		2	6
5962-8995103	(SEE DWG)		2	6
5962-8995601	54ALS646		2	13
5962-8995701	UC1637		2	24
5962-8995901	L4C381-45		2	4
5962-8996101	DG405		2	18
5962-8996901	35074		3	9
5962-8996902	35074A		3	9
5962-8997001	400		2	9
5962-8997301	CLC401		2	9
5962-8997302	EL2171		2	9
5962-8997601	LT1055A		2	9
5962-8997602	LT1056A		2	9
5962-8997603	LT1055		2	9
5962-8997604	LT1056		2	9
5962-8997901	SP1078B		2	17
5962-8998101	(SEE DWG)		2	12
5962-8998201	80C196KB		2	8
5962-8998901	54HC623		2	13
5962-9050201	54F198		2	5
5962-9050301	54LS396		2	5
5962-9050501M	54HCT153		2	4
5962-9050601	54F623		2	13
5962-9050602	54F621		2	13
5962-9051301	AM29833A		2	13
5962-9051302	AM29853A		2	13
5962-9051303	AM29855A		2	13
5962-9051401M	54BCT245		2	13
5962-9051501	AM29C818		2	5
5962-9051601M	54BCT374		2	3
5962-9052201	DS1632		3	13
5962-9052301	54ALS648		2	13
5962-9052401M	54HCT251		2	4
5962-9052501M	HD-6402R		2	13
5962-9052502M	HD-6402B		2	13

MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING (Cont'd)

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
5962-9053501	OP64A		2	9
5962-9053601	OP-260A		2	9
5962-9053801	UC1611		2	24
5962-9055101	SDC14567-111		2	22
5962-9055102	SDC14567-112		2	22
5962-9055103	SDC14567-114		2	22
5962-9055104	SDC14567-115		2	22
5962-9055105	SDC14569-111		2	22
5962-9055106	SDC14569-112		2	22
5962-9055107	SDC14569-114		2	22
5962-9055108	SDC14569-115		2	22
5962-9055301	54HC40103		2	5
5962-9055401	HSDC-8915A		2	24
5962-9055402	HSDC-8915		2	24
5962-9056201	54AS250A		2	4
5962-9056301	54AS756		2	2
5962-9056401	87C541		2	8
5962-9056402	87C51FB-16		2	8
5962-9056501	54F3037		2	13
5962-9056801	OP-237A		2	9
5962-9056802	OP-237C		2	9
5962-9056901	DG401		2	18
5962-9057401	54HCT40102		2	5
5962-9058501	54F432		2	3
5962-9059501	LT1019A-10		2	19
5962-9059502	LT1019A-5		2	19
5962-9059503	LT1019A-4.5		2	19
5962-9059504	LT1019A-2.5		2	19
5962-9059505	LT1019-10		2	19
5962-9059506	LT1019-5		2	19
5962-9059507	LT1019-4.5		2	19
5962-9059508	LT1019-2.5		2	19
5962-9059701M	54HCT4017		2	5
5962-9060301	REF-43		2	19
5962-9060401	TLC274		2	9
5962-9060402	TLC279		2	9
5962-9061301	54HCT237		2	4
5962-9061601	54ALS29821		2	3
5962-9062501M	54BCT244		2	13
5962-9062801	55ALS056		2	13
5962-9062901	55ALS057		2	13
5962-9063601H	CT1820		2	23
5962-9063602H	CT1820-2		2	23
5962-9063603H	ARX2410		2	23
5962-9063604H	ARX3410		2	23
5962-9063801H	MIOP42114		2	9
5962-9064901	LTC1064-4		2	24
5962-9065101M	54HCT126		2	2
5962-9065201M	54HCT151		2	4
5962-9065901H	PA12M		1	9
5962-9067501M	54ALS29823		2	5
5962-9067502M	54ALS29824		2	5
5962-9067901H	PA02		2	9
5962-9069501M	54ALS29825		2	5
5962-9070101M	54HCT109		2	3
5962-9070201M	54HCT157		2	4
5962-9070301M	54HCT158		2	4
5962-9070401Q	WEDSP-16		1	23
5962-9070501M	54HCT160		2	5
5962-9070601M	54HCT367		2	13
5962-9070701H	SDC14500-635		2	22
5962-9070702H	SDC14500-636		2	22
5962-9070703H	SDC14502-605		2	22
5962-9070704H	SDC14502-606		2	22
5962-9072001M	54ALS29843		2	4
5962-9072301H	MIOP42116		2	9
5962-9073001H	MN376		2	20
5962-9073601H	PA84M		2	9
5962-9074101M	54BCT2244		2	13
5962-9074201M	54BCT240		2	2
5962-9074301M	54BCT241		2	13
5962-9074401M	54BCT2827A		2	13
5962-9074501M	54BCT2828A		2	13
5962-9074601M	54BCT373		2	3
5962-9074701M	54BCT534		2	3
5962-9074801M	54BCT540		2	13
5962-9074901M	54BCT541		2	13
5962-9075001M	54BCT620A		2	13
5962-9075201M	54BCT640		2	13
5962-9075401M	(SEE DWG)		2	7
5962-9075402M	(SEE DWG)		2	7
5962-9075403M	(SEE DWG)		2	7
5962-9075801M	54HCT75		2	3
5962-9076501M	96F172		2	13
5962-9076502M	96F174		2	13
5962-9076601M	96F175		2	13
5962-9076602M	96F173		2	13
5962-9078001M	54AS821		2	3
5962-9078002M	54AS822		2	3
5962-9078003M	54AS825		2	3
5962-9078004M	54AS826		2	3
5962-9079501H	HS9576S		1	17
5962-9079502H	HS9576T		1	17
5962-9080701M	TLE2061M		2	9
5962-9080801M	TLE2062M		2	9
5962-9080901M	TLE2064		2	9
5962-9081801M	EL2030		2	24
5962-9082001H	SDC14531-690		2	22
5962-9082002H	SDC14531-631		2	22
5962-9082801H	MIOP42115		2	9
5962-9082901H	FC155371		2	13
5962-9082902H	FC155372		2	13
5962-9082903H	ARX3420		2	13
5962-9082904H	ARX3424		2	13
5962-9082905H	NHI-1531		2	13
5962-9082906H	NHI-1545		2	13
5962-9082907H	CT1589M		2	13
5962-9082908H	CT1589MI		2	13
5962-9083301H	CLC201A		2	9
5962-9084501M	TLC548		2	17
5962-9084502M	TLC549		2	17
5962-9084901M	54HCT107		2	3
5962-9085401H	HCPL-5501		1	22
5962-9085501H	HCPL-5601		2	22
5962-9085801M	(SEE DWG)		2	6
5962-9085803M	(SEE DWG)		2	6
5962-9085804M	(SEE DWG)		2	6
5962-9085805M	(SEE DWG)		2	6
5962-9085806M	(SEE DWG)		2	6
5962-9085807M	(SEE DWG)		2	6
5962-9085808M	(SEE DWG)		2	6
5962-9086301M	TLC32040M		2	24
5962-9086302M	TLC32044M		2	24

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DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
5962-9087001M	54BCT543		2 13	
5962-9087801M	AH5010		2 18	
5962-9087902M	5521		2 24	
5962-9088001M	AH5012		2 18	
5962-9088101M	TLE2021		2 9	
5962-9088102M	TLE2022		2 9	
5962-9088103M	TLE2024		2 9	
5962-9088901M	54BCT126		2 2	
5962-9089501M	TLC2652M		2 9	
5962-9089502M	TLC2654M		2 9	
5962-9089503M	TLC2652A		2 9	
5962-9089601M	TLE2027M		2 9	
5962-9089602M	TLE2037M		2 9	
5962-9090601M	54ACT11353		2 4	
5962-9091001M	54F377		2 3	
5962-9091602M	54AC11520		2 10	
5962-9093201M	TL7770-5M		2 24	
5962-9093202M	TL7770-12M		2 24	
5962-9093203M	TL7770-15M		2 24	
5962-9093701M	54BCT125		2 2	
5962-9093801M	54BCT760		2 13	
5962-9093901M	54BCT2240		2 13	
5962-9094001M	54BCT623		2 13	
5962-9094601M	80960MC-16		2 8	
5962-9094602M	80960MC-20		2 8	
5962-9094603M	80960MC-25		2 8	
5962-9095701M	CS5412-TC1		2 17	
5962-9095702M	CS5412-SC1		2 17	
5962-9096901M	TLC3704M		2 10	
5962-9099001H	AFC-461		2 24	
5962-9099601M	TMC2009		2 4	
5962-9152801M	100301		2 1	
5962-9152802M	100302		2 1	
5962-9153401M	EL2001A		2 24	
5962-9153402M	EL2001		2 24	
5962-9153501M	EL2038		2 9	
5962-9154501M	V2500H		2 7	
5962-9154502M	V2500H		2 7	
5962-9154601M	V2500H		2 7	
5962-9154602M	V2500H		2 7	
5962-9155301M	54BCT652		2 13	
5962-9155401M	54BCT544		2 13	
5962-9155501M	54BCT646		2 13	
5962-9158001H	AHE2812S		2 22	
5962-9158002H	AHE2812S-SLV		2 22	
5962-9158003H	AHE2812S-MST		2 22	
5962-9162101H	PA83M/883		2 9	
5962-9162501H	AHE2815S		2 24	
5962-9162502H	AHE2815S-SLV		2 24	
5962-9162503H	AHE2815S-MST		2 24	
5962D8753801	HS-1840RH		2 18	
7600201	54LS157	30903	1 4 P	
7600301	54LS122	31403	1 3 P	
7600401	54LS132	31303	1 1 P	
7600501	54LS138	30701	1 4 P	
7600601	54LS193	31508	1 5 P	
7600701	54LS139	30702	1 4 P	
7600801	54LS161	31504	1 5 F	
7600901	54LS191	31509	1 5 P	
7601001	54LS151	30901	1 4 P	
7601101	54LS153	30902	1 4 P	
7601201	54LS75	31601	1 3 P	
7601301	54LS76A	30110	1 3 F	
7601401	54LS83A	31201	1 4 P	
7601501	54LS197	32002	1 5 P	
7601601	54LS251	30905	1 4 P	
7601701	54LS253	30908	1 4 P	
7601801	54LS279	31602	1 3 P	
7601901	54LS298	30909	1 4 P	
7602001	54LS26	32102	1 1 P	
7603101	54LS42	30703	1 4 P	
7603201	54LS90	31501	1 5 P	
7603301	54LS158	30904	1 4 P	
7603401	54LS163A	31512	1 5 P	
7603501	54LS190	31513	1 5 P	
7603601	54LS192	31507	1 5 P	
7603701	54LS257B	30906	1 4 F	
7603801	54LS258B	30907	1 4 F	
7603901	54LS123	31401	1 3 P	
7604001	54S194	07601	3 5 L	
7604101	54S138	07701	3 4 L	
7604201	54LS221	31402	1 3 P	
7604301	54LS283	31202	1 4 P	
7604501	54LS47	30704	1 4 F	
7700101	54LS93	31502	1 5 P	
7700201	8080A	42001	3 8 L	
7700401	54S139	07702	3 4 L	
7700601	54LS165A	30608	1 5 F	
7700701	2901A		3 8	
7700702	AM2901		3 8	
7700801	LM139	11201	1 10 F	
7700901	54LS160A	31503	1 5 F	
7701001	54LS196	32001	2 5 F	
7702001	4520B		3 2 P	
7702301	4520B		3 5 -	
7702401	4081B	17001	3 1 P	
7702501	4094B		3 5 -	
7702601	4044B		3 3 -	
7702701	4069UB	17401	3 1 P	
7702801	LM103H-1.8		3 19 L	
7702802	LM103H-2.0		3 19 L	
7702803	LM103H-2.2		3 19 L	
7702804	LM103H-2.4		3 19 L	
7702805	LM103H-2.7		3 19 L	
7702806	LM103H-3.0		3 19 -	
7702807	LM103H-3.3		2 19 -	
7702808	LM103H-3.6		2 19 -	
7702809	LM103H-3.9		2 19 -	
7702810	LM103H-4.3		2 19 L	
7702811	LM103H-4.7		3 19 L	
7702812	LM103H-5.1		3 19 L	
7702813	LM103H-5.6		3 19 L	
7703001	54185A		3 4 L	
7703101	4060A		3 5 L	
7703201	4515B	17302	3 4 -	
7703301	CA3130BT		3 9 -	
7703401	LM117H	11703	1 12 F	
7703402	LM117HV		2 12 -	
7703403	LM137H	11803	1 12 F	
7703404	LM137HV		2 12 -	
7703405	LT117A		2 12 -	
7703406	LT137A		2 12 -	
7703407	LT117AHV		2 12 -	
7703408	LT137AHV		2 12 -	
7703501	4514B	17301	3 3 -	
7703601	54C08		3 1 -	
7703701	54C85		3 4 -	
7703702	4585B		3 4 -	
7703901	4250		2 9 -	
7704101	54LS124		3 24 -	
7704201	54LS670	31901	1 5 P	
7704301	LM124	11005	1 9 F	
7704302	LM124A	11006	1 9	
7704401	4078B		3 1 -	
7704501	4528B		3 3 -	
7704502	4528B		3 3 -	
7704601	4093B		3 1 P	
7704602	4093B		3 1	
7704701	4555B	17304	3 4 -	
7704801	4556B	17305	3 4 -	
7704901	55452	12903	1 13 F	
7705001	XR2211M		2 24 -	
7705101	4073B		3 1 P	
7705201	508	19007	1 18 F	
7705202	(SEE DWG)		2 18	
7705203	(SEE DWG)		2 18	
7705301	201	12302	1 18 F	
7705401	4194		2 12 -	
7705501	4098B	17504	3 3 F	
7705601	54C906		3 2 -	
7705701	54LS244	32403	1 2 P	
7705801	4040B		3 5 -	
7705901	4082B	17002	3 1 P	
7706001	4072B	17102	3 1 P	

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DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
7800301	LM144		2	9 -
7800302	2640		2	9 -
7800303	LM143		2	9 -
7800304	1536		2	9 -
7800701	LM709		3	9 L
7800801	0056		3	13 L
7800802	MMH0026	03501	4	13 L
7800901	10516		2	13 -
7801001	54LS273	32501	1	3 P
7801101	54LS374	32503	1	3 P
7801201	54LS240	32401	1	2 P
7801301	LH0002		1	9 -
7801401	DG129A		2	18 L
7801501	27S07A		2	6 -
7801502	54S189		2	6 -
7801503	27S07		2	6 -
7801504	27LS07		2	6 -
7801505	27S07-20		2	6
7801506	27LS07-30		2	6
7801601	(SEE DWG)		2	7 F
7801602	(SEE DWG)		2	7 -
7801701	2910		2	8 F
7801702	2910A		2	8 -
7801801	AM686		2	10 -
7801901	AM687		2	10 -
7801902	AM6687		2	10
7801903	AD96687		2	10
7802201	(SEE DWG)		2	7 -
7802205	(SEE DWG)		2	7 -
7802206	(SEE DWG)		2	7 -
7802207	(SEE DWG)		2	7 -
7802208	(SEE DWG)		2	7 -
7802209	(SEE DWG)		2	7 -
7802401	54LS299		2	5 -
7802402	25LS299		3	5 -
7802601	54LS390	32701	1	5 P
7802701	54LS148	36001	1	4 P
7802801	1524	12601	1	12 -
7802901	15530		2	4 -
7901001	8085A		3	8 L
7901101	4013B		3	3 P
7901102	4013B		3	3
7901201	4021B	05754	3	5 P
7901301	4023B	05053	3	1 P
7901401	4049UB	05553	3	2 P
7901501	4052B		3	18 -
7901601	4557B		3	5 -
7901701	1854		3	13 L
7901801	1823		3	6 L
7901901	1853	47401	4	4 -
7902401	(SEE DWG)		3	7 L
7902402	(SEE DWG)		2	7
8000301	Z8001CPU	52001	2	8 -
8000302	Z8002CPU	52002	1	8 F
8000303	Z8001ACPU	52003	2	8 -
8000304	Z8001B		2	8 -
8000305	Z8002B		2	8 -
8000306	Z8002A CPU	52004	1	8 F
8001201	(SEE DWG)		2	7 -
8001202	(SEE DWG)		3	7 -
8001203	(SEE DWG)		2	7 -
8001204	(SEE DWG)		2	7 -
8001205	(SEE DWG)		3	7 -
8001206	(SEE DWG)		3	7 -
8001207	(SEE DWG)		2	7
8001208	(SEE DWG)		2	7 -
8001209	(SEE DWG)		2	7 -
8001210	(SEE DWG)		2	7 -
8001211	(SEE DWG)		2	7 -
8001301	0032		1	9 -
8001401	LH0033		1	9 -
8001601	2420		2	20 -
8001701	54LS166	30609	1	5 F
8001801	54LS168	31505	2	5 -
8001802	54LS169	31506	2	5 F
8001901	54LS09	31005	1	1 P
8002001	54LS242	32801	1	13 P
8002002	54LS243	32802	1	13 P
8002101	54LS245	32803	1	13 P
8002201	54S251	07905	3	4 L
8002301	54S258	07907	3	4 L
8002501	54LS170	31902	2	5 F
8002601	54LS261	31801	2	4 -
8003701	LM106	10303	3	10 L
8004101	7831	10406	2	13 F
8004102	7832	10407	2	13 F
8100601	5040	10501	1	18 F
8100602	5041	10502	1	18 F
8100603	5042	10503	1	18 F
8100604	IH5043		2	18 F
8100605	5044	10505	1	18 F
8100606	IH5045		2	18
8100607	IH5046	10507	2	18 -
8100608	IH5047	10508	2	18 -
8100609	DG5140		2	18
8100610	DG5141		2	18
8100611	DG5142		2	18
8100612	HI5043		2	18 -
8100613	DG5144		2	18 F
8100614	HI5045		2	18 F
8100615	HI5046		2	18 -
8100616	HI5047		2	18 -
8100617	HI5046A		2	18 -
8100618	HI5047A		2	18 -
8100619	IH5148		2	18 -
8100620	HI5049		2	18 -
8100621	HI5050		2	18 -
8100622	HI5051		2	18 -
8100801	562	12101	1	16 F
8100802	563	12102	2	16 -
8101501	(SEE DWG)		3	6 L
8101601	4029B		3	5 -
8101602	4029B		3	5 -
8101701	4035B		3	5 -
8101702	14035B		3	5
8101801	4053B		3	18 -
8101901	4042B		3	3 -
8102001	4047B		3	3 -
8102101	54LS629		2	24 -
8102301	061	11901	2	9 -
8102302	062	11902	2	9 -
8102303	064	11903	2	9 -
8102304	071	11904	1	9 -
8102305	072	11905	1	9 -
8102306	074	11906	1	9 -
8102401	(SEE DWG)		2	6 F
8102402	(SEE DWG)		2	6 F
8102403	(SEE DWG)		2	6 -
8102404	(SEE DWG)		2	6 -
8102405	(SEE DWG)		2	6 -
8102406	(SEE DWG)		2	6
8102407	(SEE DWG)		3	6 -
8102801	6N134		1	22 -
8102802	HCPL-5631		2	22
8102803	HCPL-6631		2	22
8103501	PAL10H8	50301	3	7 F
8103502	PAL12H6	50302	3	7 F
8103503	PAL14H4	50303	3	7 F
8103504	PAL16H2	50304	3	7 -
8103505	PAL16C1	50305	3	7 -
8103506	PAL10L8	50306	3	7 F
8103507	PAL12L6	50307	3	7 F
8103508	PAL14L4	50308	3	7 F
8103509	PAL16L2 .	50309	3	7 -
8103510	PAL10H8A	50310	3	7 -
8103511	PAL12H6A	50311	3	7 -
8103512	PAL14H4A	50312	3	7 -
8103513	PAL16H2A	50313	3	7 -
8103514	PAL10L8A	50315	3	7 -
8103515	PAL12L6A	50316	3	7 -
8103516	PAL14L4A	50317	3	7 -
8103517	PAL16L2A	50318	3	7 -
8103601	PAL16L8		2	7 F
8103602	PAL16R8		2	7 F
8103603	PAL16R6		2	7 F
8103604	PAL16R4		3	7 F
8103605	PAL16X4	50405	3	7 -
8103606	PAL16A4	50406	3	7 -
8103607	PAL16L8A	50401	1	7 F
8103608	PAL16R8A	50402	1	7 F
8103609	PAL16R6A	50403	1	7 F
8103610	PAL16R4A	50404	1	7 F
8103611	PAL16L8A2	50407	1	7 F
8103612	PAL16R8A2	50408	1	7 F
8103613	PAL16R6A2	50409	1	7 F
8103614	PAL16R4A2	50410	1	7 F
8103901	(SEE DWG)		3	6
8103902	(SEE DWG)		3	6
8103903	(SEE DWG)		3	6
8103904	(SEE DWG)		3	6
8103905	(SEE DWG)		3	6
8103906	(SEE DWG)		2	6 -
8103907	(SEE DWG)		2	6 -
8103908	(SEE DWG)		2	6 -
8200501	2764-450		2	7 -
8200502	2764-250		2	7 -
8200503	2764A-35		2	7 -
8200504	2764A-25		2	7 -
8200505	2764A-20		2	7 -
8200506	2764-150		2	7 -
8200507	2764-200		2	7 -
8200701	4167		2	6 -
8200702	2167-70		2	6 -
8200703	2167-55		2	6 -
8200704	2167-40		2	6 -
8200801	(SEE DWG)		2	7 -
8200802	(SEE DWG)		2	7 F
8200803	(SEE DWG)		2	7
8200804	(SEE DWG)		2	7 -
8200901	(SEE DWG)		2	7 -
8200902	(SEE DWG)		2	7 -
8200903	(SEE DWG)		2	7 -
8201001	(SEE DWG)		2	6 F
8201002	(SEE DWG)		2	6 F
8201003	(SEE DWG)		2	6 F
8201004	(SEE DWG)		2	6 -
8201005	(SEE DWG)		2	6 -
8201006	(SEE DWG)		2	6 -
8201007	(SEE DWG)		2	6 -
8201008	(SEE DWG)		2	6 -
8201009	(SEE DWG)		2	6
8201010	(SEE DWG)		2	6
8202101	68000-6	54001	2	8 -
8202102	68000-8	54002	1	8 -

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DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
8202103	68000-10	54003	1	8 -
8202104	68000-12		2	8 -
8202201	40174B	17505	3	3 -
8202501	(SEE DWG)		3	7 -
8202502	(SEE DWG)		3	7 -
8202503	(SEE DWG)		2	7 -
8202504	(SEE DWG)		2	7 -
8202505	(SEE DWG)		2	7 -
8202506	(SEE DWG)		2	7 -
8202507	(SEE DWG)		2	7 -
8202508	(SEE DWG)		3	7 -
8202509	(SEE DWG)		2	7 -
8203601	OP-07A	13501	1	9 F
8203602	OP-07		2	9 F
8300101	Z8536		2	8 -
8300102	Z8536A		2	8 -
8300201	DAC87		1	16 -
8300301	DAC87		2	17 -
8301301	NSC800		2	8 -
8301302	NSC800-4		2	8 -
8301501	Z8442A		2	8 -
8301502	Z8442		2	8 -
8301601	Z8430A		2	8 -
8301602	Z8430		2	8 -
8301701	54LS154		2	4 -
8301901	54ALS174	37201	1	3 F
8301902	54ALS175	37202	1	3 F
8302001	54ALS373	37203	1	3 F
8302002	54ALS374	37204	1	3 F
8302101	54ALS299	37601	2	5 -
8302102	54ALS323	37602	2	5 -
8302201	54ALS161B	38001	1	5 F
8302202	54ALS163B	38002	1	5 F
8302203	54ALS561A	38004	2	5 -
8302401	6N140A		1	22 -
8302501	54ALS169B	38003	1	5 F
8302502	54ALS569A	38005	2	5
8400001	54ALS109A	37102	1	3 F
8400002	54ALS112A	37103	1	3 F
8400101	54ALS574A	37104	1	3 F
8400102	54ALS576A	37105	2	3 -
8401001	54ALS874B	37106	2	3 -
8401002	54ALS876	37107	2	3 -
8401101	54ALS74A	37101	1	3 F
8401201	54ALS573	38201	1	3 F
8401202	54ALS580	38202	2	3 -
8401301	54ALS242B	38506	2	13 -
8401302	54ALS243A	38507	2	13 -
8403001	54ALS245A		2	13 -
8403101	54ALS1034	38411	1	2 F
8403201	54ALS873	38203	2	3 -
8403202	54ALS880	38204	2	3 -
8403301	54ALS645A	38505	1	13 -
8403601	(SEE DWG)		2	6 F
8403602	(SEE DWG)		2	6 F
8403603	(SEE DWG)		2	6 -
8403604	(SEE DWG)		2	6 F
8403605	(SEE DWG)		3	6 F
8403606	(SEE DWG)		2	6 -
8403607	(SEE DWG)		2	6 -
8403608	(SEE DWG)		2	6 -
8403609	(SEE DWG)		2	6 -
8403610	(SEE DWG)		2	6 -
8403611	(SEE DWG)		2	6 -
8403612	(SEE DWG)		2	6 -
8403613	(SEE DWG)		2	6 -
8403614	(SEE DWG)		2	6 -
8403615	(SEE DWG)		2	6 -
8403616	(SEE DWG)		2	6 -
8403701	54HC00	65001	1	1 P
8403801	54HC10	65002	1	1 P
8403901	54HC20	65003	1	1 P
8404001	54HC30	65004	1	1 P
8404101	54HC02	65101	1	1 P
8404201	54HC27	65102	1	1 P
8404301	54HC266	65103	1	1 P
8404302	54HC7266	65105	2	1 -
8404401	54HC4002	65104	1	1 F
8404501	54HC32	65201	1	1 P
8404601	54HC86	65202	1	1 P
8404701	54HC08	65203	1	1 P
8404801	54HC11	65204	1	1 P
8405201	80C86		2	8 F
8405202	80C86-2		2	8
8405301	32010		2	8 -
8405601	54HC74	65302	1	3 P
8405701	2901C	44001	4	8 -
8405901	54ALS1000A		2	2 F
8406001	54ALS1010A	38405	2	2 -
8406101	54ALS1004	38409	2	2 -
8406201	54HC138	65802	1	4 P
8406401	54HC147		2	4 -
8406501	82C54		2	8 -
8406601	82C55A-5		2	8 -
8406602	82C55A		2	8 -
8406701	82C82		2	13 -
8406702	82C83		2	13 -
8406801	82C84A		2	13 -
8406901	82C88		2	8 -
8407001	54HC75	65401	2	3 -
8407101	54HC374	65602	1	3 P
8407201	54HC373	65403	1	3 P
8407301	54HC174	65307	1	3 P
8407401	54HC240	65703	1	2 P
8407501	54HC161	66302	1	5 F
8407901	54ALS162A	38102	2	5 -
8408501	54HC245	65503	1	13 P
8408801	54HC112	65305	1	3 P
8408901	54HC175	65308	1	3 P
8409001	54HC243	65502	2	13 F
8409101	54HC14	65702	1	1 P
8409201	54HC139	65803	1	4 P
8409301	54HC153B	66202	2	4 F
8409401	54HC162	66303	2	5 F
8409501	54HC165	66502	1	5 -
8409601	54HC244	65705	1	2 P
8409701	54ALS1008A	38404	2	2 -
8409801	54HC04	65701	1	1 P
8409901	54HC273	65601	1	3 P
8410001	54HC393	66309	1	5 P
8410901	TL431	14801	1	12 F
8411101	27256-35		3	7 -
8411102	27256-250	22401	1	7 F
8411103	27256-200	22402	1	7 F
8411104	27256-170	22403	2	7 -
8411105	27256-30		3	7 -
8412801	54HC151B	66201	2	4 F
8412901	PAL20L8A	50501	1	7 F
8412902	PAL20R8A	50502	1	7 F
8412903	PAL20R6A	50503	1	7 F
8412904	PAL20R4A	50504	1	7 F
8412905	PAL20L10A		2	7 -
8412906	PAL20X8A		2	7 -
8412907	PAL20X10A		2	7 -
8412908	PAL20X4A		2	7 -
8412909	PAL20L8A-2		2	7 F
8412910	PAL20R8A-2		2	7 F
8412911	PAL20R6A-2		2	7 F
8412912	PAL20R4A-2		2	7 F
8413201	(SEE DWG)		2	6 F
8413202	(SEE DWG)		2	6 -
8413203	(SEE DWG)		2	6
8413204	(SEE DWG)		2	6
8413205	(SEE DWG)		2	6
8413206	(SEE DWG)		2	6
8413207	(SEE DWG)		2	6
8413208	(SEE DWG)		2	6
8413209	(SEE DWG)		2	6 -
8413401	54ALS153		2	4 -
8413501	54ALS251		2	4 -
8413601	54ALS273		2	3 -
8414101	54ALS151		2	4 -
8414201	54ALS09		2	1 -
8414301	54ALS21		2	1 -
8414501	54ALS832		2	13 -
8415001	54HC109	65304	1	3 P
8415101	54LS682		2	10 -
8415201	54LS684		2	10 -
8415301	54LS688		2	10 -
8415401	54LS399		2	5 F
8415501	54LS540	32404	1	2 F
8415601	54LS541	32405	1	2 F
8416101	54LS640		2	13 -
8416201	54HC164	66501	1	5 F
8416901	F9450-15		2	8 -
8416902	F9450-F18		2	8
8416903	F9450-F20		2	8 -
8416904	F9450-F15		2	8
8417901	8282		3	3 -
8417902	8283		3	3 -
8417903	8282		2	3 -
8417904	8283		2	3 -
8418001	LM136A-2.5		2	19 -
8418002	LM136A-5.0		2	19 -
8418501	733		2	9 -
8418502	592		2	9 -
8418601	Z8420A		2	8 -
8418602	Z8420		2	8 -
8419001	8751H-8		2	8 -
8419002	8751H		2	8 -
8500101	54HC365	65706	1	2 P
8500201	54HC367	65708	1	2 P
8500301	54HC4020	66311	2	5 -
8500401	54HC4040	66313	2	5 -
8501001	M80186-8		2	8 -
8501002	M80186-6		2	8 -
8501501	82C52		2	8 -
8503001	2700		1	19 -
8503002	2700U		1	19 -
8503003	2702S		1	19 -
8503004	2702U		1	19 -
8503005	2701		1	19
8503006	2701		1	19
8506301	8097		2	8 -
8506501	PAL16L8A-4		2	7 -
8506502	PAL16R8A-4		2	7 -
8506503	PAL16R6A-4		2	7 -
8506504	PAL16R4A-4		2	7 -
8508401	54LS145		2	4 F
8508701	LH0041		1	9 -
8508801	LH0021		1	9 -
8508901	LH0101A		1	9 -
8508902	LH0101		1	9 -
8509601	54ALS253		2	4 -

MILITARY PARTS
Cross Reference SORTED BY DESC DRAWING -OR- MIL DRAWING (Cont'd)

DESC Drawing -or- MIL Drawing	Generic Industry Number	MIL-M-38510/	Table/ Function Code	NATO
8509701	54ALS257		2 4	-
8510201	27C64-25		3 7	-
8510202	27C64-350	27501	2 7	-
8510203	27C64-20		3 7	-
8510204	27C64-90		2 7	-
8510205	27C64-12		3 7	-
8510206	27C64-15		3 7	-
8510207	57C64-70		2 7	
8512401	54HC257	66207	2 4	F
8512501	54HC251B	66205	2 4	F
8512601	54LS33		2 2	F
8512801	54HC573	65406	1 3	P
8513001	54HCT244	65755	1 2	F
8515201	(SEE DWG)		2 6	L
8515202	(SEE DWG)		2 6	-
8515203	(SEE DWG)		2 6	-
8550001	UH-508		2 13	-
8550201	8X305		2 8	-
8550202	8X305-10		2 8	-
8550401	54HCT138	65852	1 4	F
8550501	54HCT240	65753	1 2	F
8550601	54HCT245	65553	1 13	P
8550701	54HCT374	65652	1 3	-
8550801	54LS353		2 4	-
8551101	54F245	34803	1 13	F
8551401	REF02A		2 19	-
8551501	1526	12603	1 12	-
8551502	1526A		2 12	
8551701	Z8036A		2 8	-
8551702	Z8036		2 8	-
8551901	54HC259	65402	1 3	F
8552001	8397		2 8	-
8600801	685		2 10	-
8600802	685		2 10	-
8600803	6685		2 10	-
8600804	96685		2 10	-
8600901	54HC390	66308	2 5	F
8601001	54HCU04		2 1	-
8601101	54HC4017	66310	2 5	-
8601201	54HC4024	66312	2 5	-
8601301	54HC85		2 4	F
8601401	LM119	10306	1 10	-
8601402	LT119A	10307	1 10	-
8601701	2904		2 8	-
8601801	55500		2 13	-
8601802	55501		2 13	-
8602001	27LS00		2 6	-
8602002	27LS00A		2 6	-
8602003	27LS01		2 6	-
8602004	27LS01A		2 6	L
8602301	82S16		3 6	-
8602501	29705A		2 6	-
8602701	2909A		2 8	F
8602801	2911A		2 8	-
8602901	2914		2 8	F
8603001	2940		2 8	-
8605001	AM2932		3 8	-
8605101	27S02		2 6	-
8605102	27S02A		2 6	-
8605103	27LS02		2 6	-
8605104	27S03		2 6	-
8605105	27S03A		2 6	-
8605106	27LS03		2 6	-
8605107	27S02-20		2 6	
8605108	27S03-20		2 6	
8605109	27LS03-30		2 6	
8607601	54HC163	66304	1 5	F
8607701	54HC280		2 4	F

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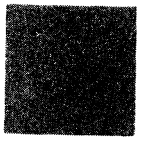

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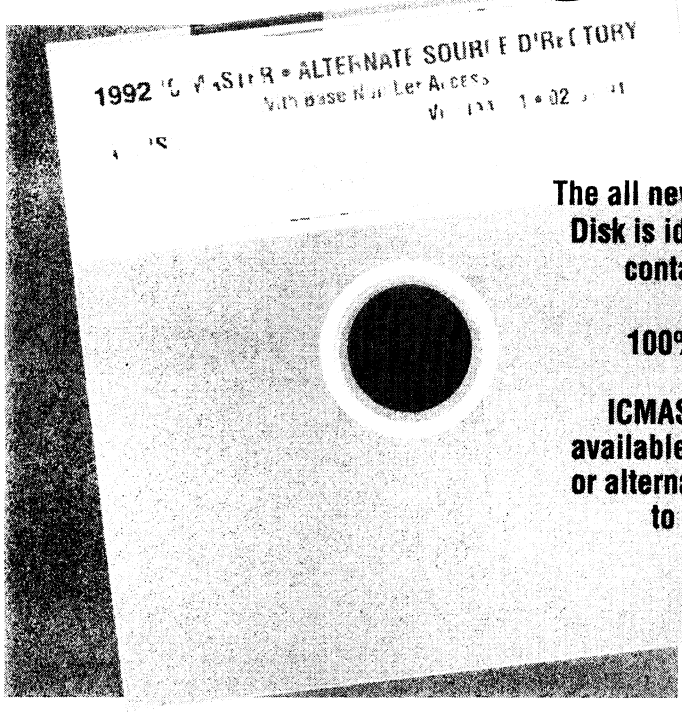

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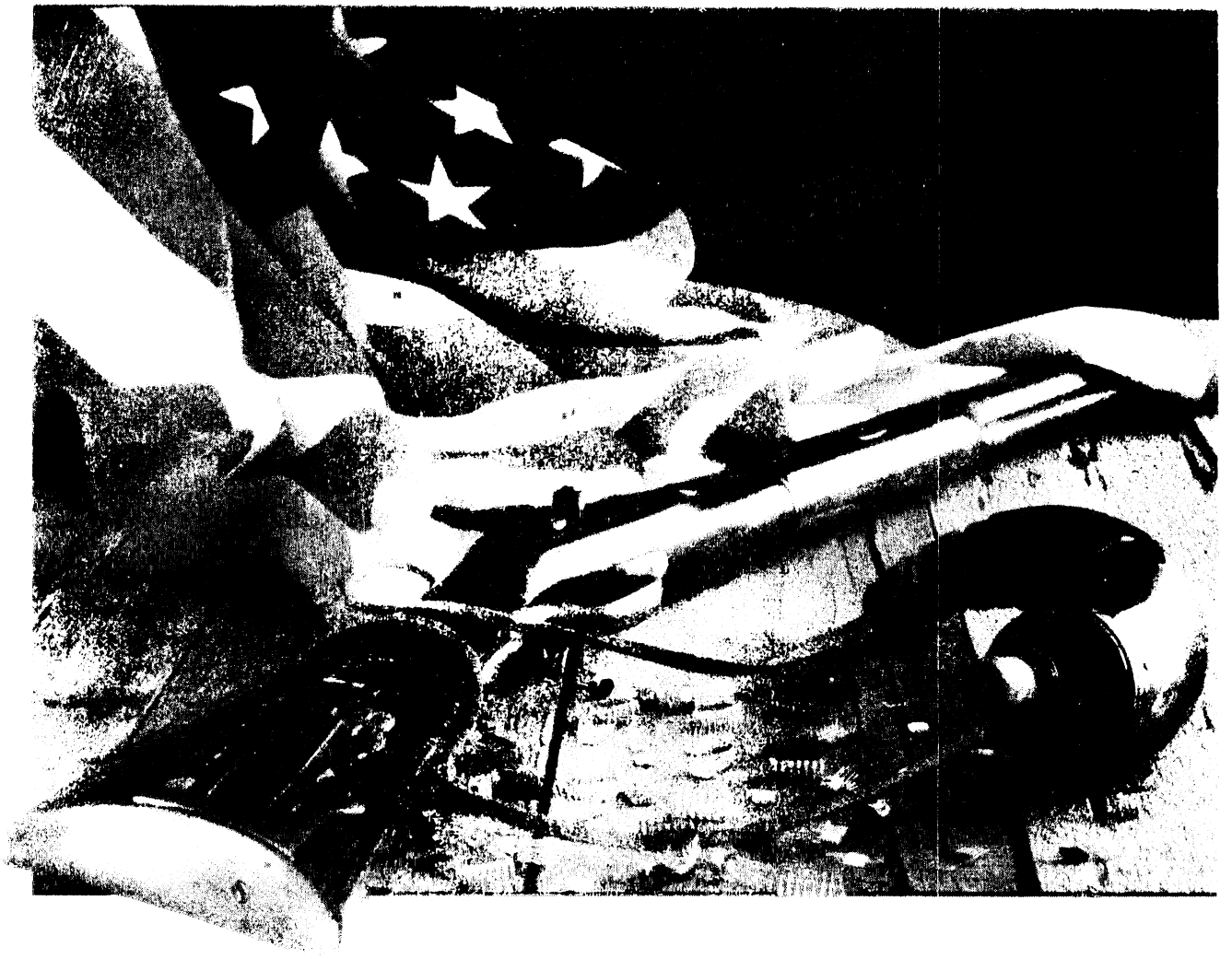

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ALTERNATE SOURCE DIRECTORY

The Alternate Source Directory is an industry-wide cross reference of devices that manufacturers claim are functional equivalents to IC's made by other firms.

The second column of this Alternate Source Directory shows devices that are replacements for those in the first column. Devices listed in **BOLD FACE** type have technical data in the Master Selection Guides. This information begins on the page listed to the right of the **BOLD FACE** part numbers. Products preceded by a ◆ have been discontinued by the manufacturer. This section does include discontinued devices that are not listed in the Master Selection Guides; in order to maintain this list within some reasonable bounds, the A and B suffixes indicating improved versions generally have been dropped.

One of the difficulties with any cross reference is that devices meant to be alternates do not necessarily perform the same in all circuits. Thus, it will be necessary for you to check specifications, or even check circuit performance before deciding which alternates are right for you. But if you do not find the devices you need here, it may be possible to find additional alternates by locating the device in the Master Selection Guides. Particularly for digital circuits, the other products grouped with it will normally offer similar or identical performance.

Manufacturer Device	Replacement Source	Device	IC Master Page
Actel			
ACT1010	TI	TPC1010	
ACT1020	TI	TPC1020	
A1010APG84B	TI	TPC1010AMGB84B	
A1010CQ84B	TI	TPC1010AMHT84B	
A1020ACQ84B	TI	TPC1020AMHT84B	
A1020APG84B	TI	TPC1020AMGB84B	
Adaptec			
AIC6225	MicroLinear	ML4025	
Advanced Analog			
ADC5210	MicroNet	MN5210	
ADC5212	MicroNet	MN5212	
ADC5245	MicroNet	MN5245	
ADC5246	MicroNet	MN5246	
ADC5610	MicroNet	MN5610	
ADC574A	MicroNet	MN574A	
ADC84	MicroNet	ADC84	
ADC85	MicroNet	ADC85	
ADC87	MicroNet	DACHK	
DACHK	MicroNet	DAC88	
DAC88	MicroNet	MN346	
SH346	MicroNet	MN347	
SH347	MicroNet		
Advanced Linear Devices			
ALD1701	TI	TLC271	
ALD1702	TI	TLC271	
ALD1703	TI	TLC271	
Advanced Micro Devices			
µA741	Raytheon	RC741	
µPD27C49	NEC	µPD27HC65	
µPD27549	NEC	µPD27HC65	
AD680	GEC Plessey	SP9680	
AD685	GEC Plessey	SP9685	
AD687	GEC Plessey	SP9687	
AD9768	GEC Plessey	SP9768	
AMDAC08	Raytheon	DAC08	
AMD99C164	Krueger	6287-35	
		6287-45	
		6287-55	
AMPAL16L8	Cypress	CYPALC16L8	
	Lattice	GAL16V8	
	Samsung	CPL16L8	
	TI	TIBPAL16L8	
AMPAL16R4	Cypress	CYPALC16R4	
	Lattice	GAL16V8	
	Samsung	CPL16R4	
	TI	TIBPAL16R4	
AMPAL16R6	Cypress	CYPALC16R6	
	Lattice	GAL16V8	
	Samsung	CPL16R6	
	TI	TIBPAL16R6	
AMPAL16R8	Cypress	CYPALC16R8	
	Lattice	GAL16V8	
	Samsung	CPL16R8	
	TI	TIBPAL16R8	
AMPAL18P8	Lattice	GAL16V8	
		GAL18V10	
AMPAL20L10	Lattice	GAL22V10	
	Samsung	CPL20L10	
	TI	TIBPAL22VP10	
		TIBPAL22V10	
AMPAL20L8	TI	TIBPAL20L8	
AMPAL20RP10	Lattice	GAL22V10	
AMPAL20RP4	Lattice	GAL20V8	
AMPAL20RP6	Lattice	GAL20V8	
AMPAL20RP8	Lattice	GAL20V8	
AMPAL20R4	TI	TIBPAL20R4	
AMPAL20R6	TI	TIBPAL20R6	
AMPAL20R8	TI	TIBPAL20R8	
AMPAL22V10	ATMEL	AT22V10	
	Cypress	CYPALC22V10	
	Gould AMI	**PEEL22CV10**	**(3499)**
	Lattice	GAL22V10	
	Samsung	CPL22V10	
	TI	TIBPAL22V10	
AMPAL22V10A	**Gould AMI**	**PEEL22CV10**	**(3499)**
AM101	Motorola	LM101	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
AM107	Motorola	LM111	
		MC1741	
AM111	Motorola	LM111	
		MC1741	
AM1402	Scorpion Tech	AM1402	
AM1403	Scorpion Tech	AM1403	
AM1404	Scorpion Tech	AM1404	
AM1408	AD	DAC1408	
	GEC Plessey	ZN429	
	Samsung	KDA0800	
AM148	Raytheon	LM148	
AM1508	AD	DAC1508	
	GEC Plessey	ZN429	
AM1702	**Scorpion Tech**	**AM1702**	**(3620)**
AM20R6-10	Signetics	PLUS20R6D	
AM201	Motorola	LM201	
AM207	Motorola	MC1741	
AM21L47	Cypress	CY7C147	
AM21L48	Cypress	CY21L48	
	Micro-C	S1KX4	
AM21L49	Cypress	CY21L49	
AM211	Motorola	LM211	
		MC1741	
AM2130	Cypress	CY7C130	
	IDT	IDT7130	
	Micro-C	2130	
AM2140	IDT	IDT7140	
AM2147	Cypress	CY2147	
	Krueger	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
	Micro-C	2147	
	SGS-Thomson	IMS1203	
AM2148	Cypress	CY2148	
	Krueger	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
	Micro-C	2148	
	SGS-Thomson	IMS1223	
AM2149	Cypress	CY2149	
	Krueger	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**
	SGS-Thomson	IMS1223	
AM2167	Cypress	CY7C167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	SGS-Thomson	IMS1403	
AM2168	Cypress	CY7C168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	SGS-Thomson	IMS1423	
		MK41H68	
AM2169	Cypress	CY7C169	
♦ AM25LS181	Lansdale	ML54181	
AM25S557	LogicDev	LMU557	
AM25S558	LogicDev	LMU558	
AM2502	GEC Plessey	ZN447	
AM2503	GEC Plessey	ZN447	
♦ AM2504	Rochester	7604	
		8604	
♦ AM2506	Lansdale	AL2506	
AM26LS30	National	DS3691	
	Signetics	AL26LS30	
		AM26LS30	
AM26LS31	Motorola	AM26LS31	
	National	DS26LS31	
	Signetics	AM26LS31	
AM26LS32	Motorola	AM26LS32	
	National	DS26LS32	
	Signetics	AM26LS32	
AM26LS32B	Signetics	AM26LS32B	
AM26LS33	Motorola	MC3486	
	National	DS26LS33	
	Signetics	AM26LS33	
AM26S10	Motorola	MC26S10	
	National	DS26S10	

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Manufacturer Device	Replacement Source	Device	IC Master Page
AM26S11	National	DS26S11	
AM26S12	National	DS8838	
♦ AM2602	Lansdale	ML9602	
♦ AM26123	Lansdale	ML54123	
AM27C010	Catalyst Semi	CAT27010	
	Krueger	27C010	
	Micro-C	27C1032	
	NEC	µPD27C1001	
	OKI	MSM271000	
	Toshiba	TC541000	
		TC571000	
AM27C020	NEC	µPD27C2001	
AM27C1024	Catalyst Semi	CAT27C210	
	Krueger	27C210	
	Micro-C	27C1040	
	NEC	µPD27C1024	
	OKI	MSM27C1024	
		MSM271024	
	Toshiba	TC57102	
	Waferscale	WS27C210	
AM27C1024-155	Signetics	27C210-15	
AM27C1024-200	Signetics	27C210-20	
AM27C1024-200DC	Signetics	27C210-FA	
AM27C128	Krueger	27C128-200	
		27C128-250	
	Micro-C	27C128	
AM27C191	Cypress	CY7C292	
	Waferscale	WS57C291	
AM27C256	Catalyst Semi	CAT27HC256	
	Cypress	CY7C274	
	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	Micro-C	27C256	
	Toshiba	TC54256	
		TC57256	
	Waferscale	WS27C256	
AM27C256-120	Signetics	27C256-12	
AM27C256-150	Signetics	27C256-15	
AM27C256-150I	Signetics	27C256I-15	
AM27C256-170	Signetics	27C256-17	
AM27C256-200I	Signetics	27C256I-20	
AM27C291	Cypress	CY7C291	
	Waferscale	WS57C291	
AM27C4096-150	Signetics	27C240-15	
AM27C4096-200	Signetics	27C240-20	
AM27C49	Fujitsu	MB71C44	
		MB7144	
	Microchip	27HC641	
	Waferscale	WS57C49	
AM27C512	Krueger	27C512-150	
		27C512-200	
		27C512-250	
	Micro-C	27C512	
	Toshiba	TC54512	
AM27C512-120	Signetics	27C512-12	
AM27C512-15I	Signetics	27C512I-15	
AM27C512-15LI	Signetics	27C512I-15A	
AM27C512-150	Signetics	27C512-15	
AM27C512-170	Signetics	27C512-17	
AM27C512-200	Signetics	27C512-20	
		27C512I-20	
AM27C64	Cypress	CY7C266	
	Krueger	27C64-200	
		27C64-250	
		27C64-300	
AM27C64-120	Signetics	27C64A-12	
AM27C64-150	Signetics	27C64-15	
AM27C64-200	Signetics	27C64A-20	
AM27LS00	Signetics	N82LS16	
		N82S16	

Manufacturer Device	Replacement Source	Device	IC Master Page
AM27LS01	Signetics	N74LS301	
		N74S301	
AM27LS03	Cypress	CY27LS03	
AM27LS07	Cypress	CY27S07	
AM27LS191	Cypress	CY7C292	
AM27LS291	Cypress	CY7C291	
AM27PS181	Cypress	CY7C282	
AM27PS191	Cypress	CY7C292	
AM27PS281	Cypress	CY7C281	
AM27PS291	Cypress	CY7C291	
AM27PS43	Waferscale	WS57C43	
AM27S02	Signetics	N3101	
		N82S25	
AM27S03	Cypress	CY27S03	
	Signetics	N74S189	
AM27S07	Cypress	CY27S07	
♦ AM27S08	Lansdale	HL7602	
♦ AM27S12	Lansdale	HL7620	
	Fujitsu	MB7115	
♦ AM27S13	Lansdale	HL7621	
	Fujitsu	MB7116	
AM27S16	Signetics	82S131	
AM27S18	Fujitsu	MB7111	
	Signetics	82S23	
♦ AM27S181	Lansdale	HL7681	
	Cypress	CY7C282	
	Fujitsu	MB7132	
	Gould AMI	S25089	
	Signetics	N82S181	
		82S181	
♦ AM27S185	Lansdale	HL7685	
	Fujitsu	MB7128	
	Signetics	82S185	
♦ AM27S19	Lansdale	HL7603	
	Fujitsu	MB7112	
	Signetics	82S123	
♦ AM27S191	Lansdale	HL76161	
	Cypress	CY7C292	
	Fujitsu	MB71A38	
		MB7138	
♦ AM27S191	Signetics	N82S191A	
		82S191	
♦ AM27S191	Waferscale	WS57C191	
AM27S191A	Signetics	N82S191C	
♦ AM27S20	Lansdale	HL7610	
	Fujitsu	MB7113	
	Signetics	82S126	
♦ AM27S21	Lansdale	HL7611	
	Fujitsu	MB7114	
	Signetics	82S129	
AM27S25	Cypress	CY7C225	
	Fujitsu	MB7226	
AM27S28	Fujitsu	MB7123	
AM27S281	Cypress	CY7C281	
♦ AM27S29	Lansdale	HL7649	
	Fujitsu	MB7124	
	Signetics	82S147	
AM27S291	Cypress	CY7C291	
	Signetics	82S191	
	Waferscale	WS57C291	
♦ AM27S30	Lansdale	HL7640	
♦ AM27S31	Lansdale	HL7641	
	Signetics	82S141	
♦ AM27S32	Lansdale	HL7642	
	Fujitsu	MB7121	
♦ AM27S33	Lansdale	HL7643	
	Fujitsu	MB7122	
	Signetics	82S137	
AM27S33A	Signetics	82S137A	
AM27S35	Cypress	CY7C235	
	Fujitsu	MB7232	
AM27S37	Fujitsu	MB7232	
♦ AM27S41	Lansdale	HL76165	
	Signetics	82HS195	
♦ AM27S43	Lansdale	HL76321	
	Fujitsu	MB7142	
	ICT	27CX321	
	Signetics	82HS321	
	Waferscale	WS57C43	
AM27S43A	ICT	27CX321-40	
AM27S431N	ICT	27CX321C-45	
AM27S45	Cypress	CY7C245	
	Fujitsu	MB7238	
	Waferscale	WS57C45	
AM27S46	Microchip	27HC641	
AM27S47	Fujitsu	MB7238	
AM27S49	Fujitsu	MB71C44	
		MB7144	
	ICT	27CX641	
	Microchip	27HC641	
	Signetics	82HS641	
	Waferscale	WS57C49	
AM27S49AC	ICT	27CX641C-45	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
AM27S49C	ICT	27CX641C-55	
AM27S51	Fujitsu	MB71C46	
	Waferscale	WS57C51	
AM27S81	Signetics	82S181	
AM27010	Waferscale	WS27C010	
AM27128	Catalyst		
	Semi	CAT27128	
	Krueger	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
	Micro-C	27128	
	Microchip	27C128	
	OKI	MSM27128	
	SEEQ	27128	
AM27128-20BXA			
	TI	SMJ27C128-20JM	
AM27128-25BXA			
	TI	SMJ27C128-25JM	
AM27128-30BXA			
	TI	SMJ27C128-30JM	
AM2716	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
	Micro-C	2716	
AM27256	Catalyst		
	Semi	CAT27256	
	Krueger	**27256-200**	**(3548)**
		27256-250	**(3548)**
		27256-300	**(3548)**
	Micro-C	27256	
	Microchip	27C256	
	OKI	MSM27256	
AM27256-20BXA			
	TI	SMJ27C256-20JM	
AM27256-25BXA			
	TI	SMJ27C256-25JM	
AM2732	**Krueger**	**2732-250**	**(3548)**
		2732-300	**(3548)**
		2732-350	**(3548)**
		2732-450	**(3548)**
	Micro-C	2732	
AM2732A	Krueger	2732A-250	
		2732A-300	
		2732A-350	
		2732A-450	
AM27512	Catalyst		
	Semi	CAT27512	
	Krueger	**27512-200**	**(3548)**
		27512-250	**(3548)**
	Micro-C	27512	
	Microchip	27C512	
	OKI	MSM27512	
	Waferscale	WS27C512	
AM27512-25BXA			
	TI	SMJ27C512-25JM	
AM27512-30BXA			
	TI	SMJ27C512-30JM	
AM27549	Cypress	CY7C254	
		CY7C263	
		CY7C264	
AM2764	Catalyst		
	Semi	CAT2764	
	Krueger	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
	Micro-C	2764	
	Microchip	27C64	
	OKI	MSM2764	
	SEEQ	2764	
AM2764A	Krueger	2764A-200	
		2764A-250	
		2764A-300	
		2764A-450	
AM27827	IDT	IDT74FCT827	
AM27828	IDT	IDT74FCT828	
AM27833	IDT	IDT74FCT833	
AM2802	**Scorpion Tech**	**AM2802**	**(3620)**
AM2803	**Scorpion Tech**	**AM2803**	**(3620)**
AM2804	**Scorpion Tech**	**AM2804**	**(3620)**
AM2812	GEC Plessey	MJ2812	
	Scorpion Tech	**AM2812**	**(3620)**
AM2813	GEC Plessey	MJ2813	
	Scorpion Tech	**AM2813**	**(3620)**
AM2817	Catalyst		
	Semi	CAT28C17	
	Microchip	28C17	

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Manufacturer Device	Replacement Source	Device	IC Master Page
AM2833	**Scorpion Tech**	**AM2833**	**(3620)**
AM2841	Cypress	CY3341	
	GEC Plessey	MJ2841	
	Scorpion Tech	**AM2841**	**(3620)**
AM2847	**Scorpion Tech**	**AM2847**	**(3620)**
AM2855	**Scorpion Tech**	**AM2855**	**(3620)**
AM2856	**Scorpion Tech**	**AM2856**	**(3620)**
AM2857	**Scorpion Tech**	**AM2857**	**(3620)**
AM2864	Catalyst		
	Semi	CAT28C64	
	EXEL	XL2864	
		XL2865	
	NEC	μPD28C64	
AM2864B	Fujitsu	MBM28C64	
AM28821	Harris	CD74FCT821	
AM29C01	Cypress	CY7C901	
	IDT	IDT39C01	
AM29C10	Cypress	CY7C910	
	IDT	IDT39C10	
AM29C101	Cypress	CY7C9101	
	IDT	IDT49C402	
	LogicDev	L29C101	
	Waferscale	WS59016	
AM29C11	IDT	IDT49C410	
AM29C116	Cypress	CY7C9116	
AM29C117	Cypress	CY7C9117	
AM29C334	Micro-C	29C334	
AM29C509	LogicDev	LMA1009	
		LMU2009	
AM29C510	LogicDev	LMA1010	
AM29C516	LogicDev	LMU16	
		LMU216	
AM29C517	LogicDev	LMU17	
		LMU217	
AM29C520	LogicDev	L29C520	
AM29C60	IDT	IDT39C60	
AM29C660	IDT	IDT49C460	
AM29C818AJC			
	TI	AM29818AJC	
AM29C821	AMD	AM29821	
AM29C823	AMD	AM29823	
AM29C827	AMD	AM29827	
AM29C833	AMD	AM29833	
AM29C841	AMD	AM29841	
AM29C853	AMD	AM29853	
AM29C861	AMD	AM29861	
AM29C863	AMD	AM29863	
AM29L116	Cypress	CY7C9116	
AM29L510	Cypress	CY7C510	
	Waferscale	**WS59510**	**(3753)**
AM29L516	Cypress	CY7C516	
AM29L517	Cypress	CY7C517	
AM2901	Cypress	CY2901	
	IDT	IDT39C01	
	Micro-C	2901	
	Waferscale	WS5901	
AM2903	Micro-C	2903	
♦ AM2905	Lansdale	AL2905	
♦ AM2906	Lansdale	AL2906	
AM2910	IDT	IDT39C10	
	Micro-C	2910	
	Waferscale	WS5910	
AM2911	Cypress	CY2911	
AM29116	Cypress	CY7C9116	
AM29117	Cypress	CY7C9117	
♦ AM2915	Lansdale	AL2915	
♦ AM2948	Rochester	2948	
AM2950	Micro-C	2950	
AM29510	Cypress	CY7C510	
	LogicDev	LMA1010	
	Waferscale	**WS59510**	**(3753)**
AM29516	Cypress	CY7C516	
	LogicDev	LMU16	
		LMU216	
AM29517	Cypress	CY7C517	
	LogicDev	LMU17	
		LMU217	
AM2952	Harris	CD74FCT2952	
AM29520	Harris	CD74FCT29520	
	LogicDev	L29C520	
	Waferscale	**WS59520**	**(3753)**
		WS59521	**(3753)**
AM29521	Harris	CD74FCT29521	
	LogicDev	L29C521	
	Waferscale	**WS59520**	**(3753)**
		WS59521	**(3753)**
AM2953	Harris	CD74FCT2953	

Manufacturer Device	Replacement Source	Device	IC Master Page
AM2960	IDT	IDT39C60	
AM2964	Micro-C	2964	
AM2965	National	DP84240	
AM2966	National	DP84244	
AM29701	Cypress	CY27S07	
AM29703	Cypress	CY27S03	
AM29705	Micro-C	29705	
AM29818	AMD	AM29C818	
AM29821	AMD	AM29C821	
	IDT	IDT54FCT821	
		IDT74FCT821	
	Signetics	N74F821	
AM29822	Harris	CD74FCT822	
AM29823	AMD	AM29C823	
	Harris	CD74FCT823	
	IDT	IDT54FCT823	
		IDT74FCT823	
	Signetics	N74F823	
AM29824	Harris	CD74FCT824	
	Signetics	N74F824	
AM29825	Signetics	N74F825	
AM29827	AMD	AM29C827	
	Harris	CD74FCT827	
	IDT	IDT54FCT827	
	Signetics	N74F827	
AM29828	AMD	AM29C828	
	Harris	CD74FCT828	
	IDT	IDT54FCT828	
	Signetics	N74F828	
AM29833	AMD	AM29C833	
	IDT	IDT54FCT833	
AM29841	AMD	AM29C841	
	Harris	CD74FCT841	
	IDT	IDT54FCT841	
		IDT74FCT841	
	Signetics	N74F841	
AM29842	Harris	CD74FCT842	
AM29843	AMD	AM29C843	
		AM29843	
	Harris	CD74FCT843	
	IDT	IDT54FCT843	
		IDT74FCT843	
	Signetics	N74F843	
AM29844	Harris	CD74FCT844	
AM29845	IDT	IDT54FCT845	
		IDT74FCT845	
	Signetics	N74F845	
AM29853	AMD	AM29C853	
	Micro-C	29853	
AM29861	AMD	AM29C861	
	Harris	CD74FCT861	
	IDT	IDT54FCT861	
		IDT74FCT861	
	Signetics	N74F861	
AM29862	Harris	CD74FCT862	
AM29863	AMD	AM29C863	
	Harris	CD74FCT863	
	IDT	IDT54FCT863	
		IDT74FCT863	
	Signetics	N74F863	
AM29864	Harris	CD74FCT864	
AM301	Motorola	LM301	
AM3101	Signetics	N3101	
AM311	Motorola	LM311	
AM3341	Cypress	CY3341	
	GEC Plessey	MJ2841	
AM3705	Siliconix	DG501	
AM4601	Samsung	KM75C101	
AM53C80	LogicDev	L53C80	
AM5380	LogicDev	L5380	
	Newbridge	**CA53C80**	**(3593)**
	Samsung	KS53C80	
AM54S163	TI	SN54S163	
AM54S240	National	DM54S240	
	Signetics	54S240	
	TI	SN54S240	
AM54S241	National	DM54S241	
	Signetics	54S241	
	TI	SN54S241	
AM54S244	AMD	SN54S244	
	Signetics	54S244	
	TI	SN54S244	
AM54S374	Signetics	54S374	
	TI	SN54S374	
AM54S534	Signetics	54S534	
AM592	Motorola	NE592	
		SE592	
AM6012	AD	DAC312	
	GEC Plessey	ZN6012	
	Harris	HI562	
	SGS-Thomson		
		AM6012	
	Signetics	AM6012	

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Manufacturer Device	Replacement Source	Device	IC Master Page
AM6070	**AD**	**DAC86**	**(3312)**
AM6072	**AD**	**DAC86**	**(3312)**
AM6080	GEC Plessey	ZN428	
AM6081	GEC Plessey	ZN558	
AM6108	GEC Plessey	ZN439	
		ZN447	
AM6148	GEC Plessey	ZN439	
		ZN447	
AM6685	Signal Proc	HCMP96850	
AM6687	Signal Proc	HCMP96870	
AM6688	GEC Plessey	SP9754	
AM67C401	Cypress	CY7C401	
AM67C402	Cypress	CY7C402	
AM67C4023	Cypress	CY7C404	
AM67C403	Cypress	CY7C403	
AM67C4501	SGS-Thomson		
		MK45H01	
		MK4501	
	Vitelic	V61C01	
AM67C4502	SGS-Thomson		
		MK45H02	
	Vitelic	V61C02	
AM67C4503	SGS-Thomson		
		MK45H03	
		MK4503	
AM685	AD	CMP08	
	LinearTech	LT685	
AM686	LinearTech	LT1016	
AM7C901	IDT	IDT39C01	
AM7C910	IDT	IDT39C10	
AM7200	IDT	IDT7200	
	Mosel	7200	
AM7201	Cypress	CY7C420	
		CY7C421	
	IDT	IDT7201	
	MicronTech	MT52C9005	
	Mosel	7201	
	Quality Semi	QS8201	
	Samsung	KM75C01	
AM7202	Cypress	CY7C424	
		CY7C425	
	IDT	IDT7202	
	MicronTech	MT52C9010	
	Mosel	7202	
	Quality Semi	QS8202	
	Samsung	KM75C02	
AM7203	Cypress	CY7C428	
		CY7C429	
	IDT	IDT7203	
	MicronTech	MT52C9020	
	Mosel	7203	
	Samsung	KM75C03	
AM7204	Cypress	CY7C432	
	IDT	IDT7204	
	Mosel	7204	
AM723	Motorola	MC1723	
AM725	Motorola	MC1556	
AM74S163	TI	SN74S163	
AM74S189	Cypress	CY7S189	
AM74S240	National	DM74S240	
	Signetics	74S240	
	TI	SN74S240	
AM74S241	National	DM74S241	
	Signetics	74S241	
	TI	SN74S241	
AM74S244	Signetics	74S244	
	TI	SN74S244	
AM74S374	GoldStar	GD74S374	
	National	DM74S374	
	Signetics	74S374	
	TI	SN74S374	
AM74S534	Signetics	74S534	
AM741	Motorola	MC1741	
AM747	Motorola	MC1747	
AM748	Motorola	MC1748	
AM79M57	GEC Plessey	SL376	
AM7901	GEC Plessey	MV3000	
AM7902	GEC Plessey	MV3000	
AM7905	GEC Plessey	MV3000	
AM7950	GEC Plessey	SL7950	
AM7953	GEC Plessey	SL7953	
AM7990	Micro-C	7990	
AM7992	Micro-C	7992	
AM80286	**Krueger**	**80286**	**(3548)**
AM80515	Siemens	SAB80515	
AM80535	Siemens	SAB80535	
♦ AM8080	Lansdale	IL8080	
AM8085	Micro-C	8085	
AM8085A	**Newbridge**	**CA80C85B**	**(3593)**
AM81C176	Siemens	SAB82C171	
AM81C458	IDT	IDT75C458	
	Micro-C	81C458	
♦ AM8107	Rochester	2948	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
AM8151	Micro-C	8151	
AM8155	Micro-C	8155	
AM8156	Micro-C	8156	
AM82C54	Harris	82C54	
AM82C55	Harris	82C55	
AM82C59	Harris	82C59	
♦ AM8212	**Lansdale**	**IL8212**	**(3549)**
♦ AM8214	**Lansdale**	**IL8214**	**(3549)**
♦ AM8216	**Lansdale**	**IL8216**	**(3549)**
♦ AM8224	**Lansdale**	**IL8224**	**(3549)**
	National	DP8224	
♦ AM8226	**Lansdale**	**IL8226**	**(3549)**
♦ AM8228	**Lansdale**	**IL8228**	**(3549)**
	National	DP8228	
AM8238	National	DP8328	
AM8255	Micro-C	8255	
♦ AM8282	**Lansdale**	**IL8282**	**(3549)**
		IL8283	**(3549)**
♦ AM8286	**Lansdale**	**IL8286**	**(3549)**
♦ AM8287	**Lansdale**	**IL8287**	**(3549)**
♦ AM8289	**Lansdale**	**IL8289**	**(3549)**
	Siemens	SAB8289	
AM90C256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
AM90C644	GoldStar	GM53C261	
		GM53C461	
AM9016	Krueger	4116-120	
		4116-150	
		4116-200	
	Siemens	HYB4116	
AM9064	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
AM9065	Siemens	HYB4164	
♦ AM9080	Rochester	8080	
AM9080A	**Krueger**	**8080A**	**(3548)**
AM91L14	Harris	HM6514	
AM91L22	Cypress	CY7C122	
		CY91L22	
AM91L24	Harris	HM6514	
AM91L50	Cypress	CY7C150	
AM9114	**Krueger**	**2114-150**	**(3548)**
		2114-200	**(3548)**
		2114-450	**(3548)**
AM9122	Cypress	CY7C122	
		CY9122	
AM9128	Cypress	CY6116	
	Krueger	**2128-100**	**(3548)**
		2128-120	**(3548)**
	Micro-C	S2KX&	
	Vitelic	V61C16	
AM9147	**Krueger**	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
AM9148	**Krueger**	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
AM9150	Cypress	CY7C150	
AM9167	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
AM9168	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
AM92L44	Harris	HM6504	
AM9216	SGS-Thomson		
		MK6116	
AM93L422	Cypress	CY93L422	
AM93422	Cypress	CY93422	
AM9513	Micro-C	9513	
AM9517	Krueger	8237	
	Micro-C	9517	
AM9864	Microchip	28C64	
	NEC	μPD28C64	
AM99CL68	Cypress	CY7C168	
AM99C164	Cypress	CY7C164	
	NEC	μPD4362	
	Toshiba	TC55416	
AM99C165	Cypress	CY7C166	
AM99C166	Toshiba	TC55417	
AM99C328	NEC	μPD43256	
	Toshiba	TC55328	
AM99C641	Cypress	CY7C187	
	NEC	μPD4361	
	Toshiba	TC5561	
		TC5562	
AM99C644	Toshiba	TC55464	
AM99C68	Cypress	CY7C168	
	SGS-Thomson		
		IMS1423	
		MK41H68	
AM99C88	Cypress	CY7C186	
	Harris	HM65642	
		HM8808	
	Krueger	6264-025	
		6264-035	
		6264-045	
	SGS-Thomson		
		MK48H64	
	Toshiba	TC5563	
		TC5565	
		TC5588	
	Vitelic	V63C64	
AM99C89	SGS-Thomson		
		MK48H89	
A80286	Micro-C	80286	
CY2909	Cypress	CY2909	
CY2910	Cypress	CY2910	
C57401	Cypress	CY7C401	
	GEC Plessey	MJ2841	
	IDT	IDT72401	
C57402	Cypress	CY7C402	
	IDT	IDT72402	
C67L401	Cypress	CY7C401	
	GEC Plessey	MV66401	
C67L4013	GEC Plessey	MV66403	
C67L402	GEC Plessey	MV66402	
C6740	Cypress	CY7C403	
C67401	Cypress	CY7C401	
	GEC Plessey	MV66401	
	IDT	IDT72401	
C67402	Cypress	CY7C402	
		CY7C404	
	GEC Plessey	MV66402	
	IDT	IDT72402	
DAC08	GEC Plessey	ZN429	
	Signetics	DAC08	
		NE5009	
DP8303	National	DP8303	
DP8304	National	DP8304	
DP8307	National	DP8307	
DP8308	National	DP8308	
DS8838	National	DS8838	
D67L401	GEC Plessey	MV66401	
D67L402	GEC Plessey	MV66402	
D8086	Micro-C	8086	
D8088	Micro-C	8088	
D8155	Micro-C	8155	
D82C54	Samsung	KS82C54	
D8212	National	DP8212	
D8216	National	DP8216	
D8224	National	DP8224	
D8228	National	DP8228	
D82284	Micro-C	82284	
D8237	Samsung	KS82C37	
D8251	Micro-C	8251	
D8255	Micro-C	8255	
	Samsung	KS82C55	
D8259	Micro-C	8259	
	Samsung	KS82C59	
D8266	National	DP8226	
D8284	Micro-C	8284	
	Samsung	KS82C84	
	Siemens	SAB8284	
D8288	Micro-C	8288	
	Samsung	KS82C88	
	Siemens	SAB8288	
D8328	National	DP8328	
LF155	LinearTech	LF1055	
		LF155	
		LT1055	
LF156	LinearTech	LF156	
		LT1056	
LF198	LinearTech	LF198	
	Signetics	LF198	
		SE5537	
♦ LF355	Rochester	LF355	
	LinearTech	LF355	
		LT1055	
♦ LF356	Rochester	LF356	
	LinearTech	LF356	
		LT1056	
LF398	LinearTech	LF398	
	Signetics	LF398	
		NE5537	
LH2101A	Raytheon	LH2101A	
LH2111	Raytheon	LH2111	
LM101A	Raytheon	LM101A	
LM108	LinearTech	LM108	
		LT1008	
LM111	LinearTech	LM111	
		LT1011	
		LT111	
	Raytheon	LM111	
♦ LM118	Rochester	LM118	
	LinearTech	LM118	
LM119	LinearTech	LM119	
		LT119	
LM124	Raytheon	LM124	
LM139	Raytheon	LM139	
LM148	LinearTech	LT1014	
LM301A	Raytheon	LM301A	
LM308	LinearTech	LM308	
		LT1008	
LM311	LinearTech	LM311	
		LT1011	
		LT311	
LM318	LinearTech	LM318	
		LT318	
LM319	LinearTech	LM319	
		LT319	
LM324	Raytheon	LM324	
LM339	Raytheon	LM339	
LM348	Raytheon	LM348	
MMI82C82	Harris	82C82	
MMI82C83	Harris	82C83	
MMI82C86	Harris	82C86	
MMI82C87	Harris	82C87	
MM8629	GEC Plessey	SP8629	
MOS2716	Micro-C	2716	
M2018	Micro-C	2018	
N8T26	National	DS8T26	
N8T28	National	DS8T28	
N80L286	Micro-C	80L286	
N80286	Micro-C	80286	
N8088	Micro-C	8088	
N82C54	**Newbridge**	**CA82C54**	**(3593)**
N82C59A	**Newbridge**	**CA82C59A**	**(3593)**
N8237	Micro-C	8237	
N8255	Micro-C	8255	
N8259A	**Newbridge**	**CA82C59A**	**(3593)**
PALCE16V8	ICT	PEEL18CV8	
	Lattice	GAL16V8	
PALCE20RA10			
	SEEQ	DE20RA10	
		DM20RA10	
		DQ20RA10	
		NE20RA10	
		NQ20RA10	
		PE20RA10	
		PQ20RA10	
PALCE20V8	ICT	PEEL20CG10	
	Lattice	GAL20V8	
PALCE22V10	ATMEL	AT22V10	
	Gould AMI	**PEEL22CV10**	**(3499)**
	ICT	PEEL22CV10	
	Lattice	GAL22V10	
	TI	TICPAL22V10	
PALCE24V10	Lattice	GAL26CV12	
PALCE26V12	Lattice	GAL26CV12	
	SEEQ	DQ26V12	
		NQ26V12	
		PQ26V12	
PALC16L8	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16L8	
PALC16R4	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16R4	
PALC16R6	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16R6	
PALC16R8	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16R8	
PALC18U8	ICT	PEEL18CV8	
	Lattice	GAL16V8	
		GAL18V10	
PALC20L8	ICT	PEEL22CV10	
PALC20R4	ICT	PEEL22CV10	
PALC20R6	ICT	PEEL22CV10	
PALC20R8	ICT	PEEL22CV10	
PALC22V10	ATMEL	AT22V10	
	Cypress	CYPALC22V10	
	Lattice	GAL22V10	
	Samsung	CPL22V10	
PAL10H8	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL10L8	**Gould AMI**	**PEEL153**	**(3499)**
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL12H6	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL12L10	Cypress	CYPLDC20G10	
	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Samsung	CPL20L10	
	TI	TIBPAL22V10	
PAL12L16	Gould AMI	PEEL173	
PAL12L6	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL14H4	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL14L4	ICT	PEEL173	
		PEEL18CV8	
		PEEL20CG10	
		PEEL273	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL14L8	Cypress	CYPLDC20G10	
		CYPLD20G10	
	Lattice	GAL20V8	
	Samsung	CPL20L8	
	TI	TIBPAL20L8	
		TIBPAL22V10	
PAL16C1	ICT	PEEL153	
PAL16HD8	ICT	PEEL18CV8	
PAL16H2	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL16LD8	ICT	PEEL18CV8	
PAL16L2	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL16L6	Cypress	CYPLDC20G10	
		CYPLD20G10	
	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Lattice	GAL20V8	
	Samsung	CPL20L8	
	TI	TIBPAL20L8	
PAL16L8	Cypress	CYPALC16L8	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16L8	
	TI	TIBPAL16L8	
PAL16L8-7	Signetics	PLUS16L8-7	
PAL16L8D	Signetics	PLUS16L8D	
PAL16P8	Lattice	GAL16V8	
PAL16RP4	ICT	PEEL18CV8	
	Lattice	GAL16V8	
PAL16RP6	ICT	PEEL18CV8	
	Lattice	GAL16V8	
PAL16RP8	ICT	PEEL18CV8	
	Lattice	GAL16V8	
PAL16R4	Cypress	CYPALC16R4	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Micro-C	16R4	
	Samsung	CPL16R4	
	Signetics	PLUS16R4-7N	
	TI	TIBPAL16R4	
PAL16R4D	Signetics	PLUS16R4D	
PAL16R6	Cypress	CYPALC16R6	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16R6	
	TI	TIBPAL16R6	
PAL16R6-7	Signetics	PLUS16R6-7	
PAL16R6D	Signetics	PLUS16R6D	
PAL16R8	Cypress	CYPALC16R8	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Micro-C	16R8	
	Samsung	CPL16R8	
	TI	TIBPAL16R8	
PAL16R8-7	Signetics	PLUS16R8-7	
PAL16R8D	Signetics	PLUS16R8D	
PAL18L4	Cypress	CYPLDC20G10	
	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
PAL18L4			(Cont'd)
	Lattice	GAL20V8	
	Samsung	CPL20L8	
	TI	TIBPAL20L8	
PAL18P8	ICT	PEEL18CV8	
PAL20L10	Cypress	CYPLDC20G10	
	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Lattice	GAL22V10	
	Samsung	CPL20L10	
	TI	TIBPAL22V10	
PAL20L2	Cypress	CYPLDC20G10	
	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Lattice	GAL20V8	
	TI	TIBPAL20L8	
PAL20L8	Cypress	CYPLDC20G10	
	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Lattice	GAL20V8	
	Samsung	CPL20L8	
	TI	TIBPAL20L8	
PAL20L8-10	Signetics	PLUS20L8D	
PAL20L8-7	Signetics	PLUS20L8-7	
PAL20L8-7JC	Signetics	PLUS20L8-7A	
PAL20RA10	Lattice	GAL20RA10	
PAL20RS10	Lattice	GAL22V10	
PAL20RS4	Lattice	GAL22V10	
PAL20RS8	Lattice	GAL22V10	
PAL20R4	Cypress	CYPLDC20G10	
	ICT	PEEL20CG10	
	Lattice	GAL20V8	
	Samsung	CPL20R4	
	TI	TIBPAL20R4	
PAL20R4-10	Signetics	PLUS20R4D	
PAL20R4-7	Signetics	PLUS20R4-7	
PAL20R6	Cypress	CYPLDC20G10	
	ICT	PEEL20CG10	
	Lattice	GAL20V8	
	Samsung	CPL20R6	
	TI	TIBPAL20R6	
PAL20R6-7	Signetics	PLUS20R6-7	
PAL20R8	Cypress	CYPLDC20G10	
	ICT	PEEL20CG10	
	Lattice	GAL20V8	
	Samsung	CPL20R8	
	TI	TIBPAL20R8	
PAL20R8-10	Signetics	PLUS20R8D	
PAL20R8-10PC			
	Signetics	PLUS20R8DN	
PAL20R8-7	Signetics	PLUS20R8-7	
PAL20S10	Lattice	GAL22V10	
PAL20X10	Lattice	GAL22V10	
	TI	TIBPAL20V10	
		TIBPAL22V10	
PAL20X4	Lattice	GAL22V10	
	TI	TIBPAL22V10	
PAL20X8	Lattice	GAL22V10	
	TI	TIBPAL22V10	
PAL22V10	Lattice	GAL22V10	
	TI	TIBPAL22V10	
PAL32VX10	TI	TIBPAL22V10	
PLE10P4	Signetics	82S137	
PLE10P8	Cypress	CY7C281	
		CY7C282	
	Signetics	82S181	
PLE10R8	Cypress	CY7C235	
PLE11P4	Signetics	82S185	
PLE11P8	Cypress	CY7C291	
	Signetics	82S191	
PLE11RA8	Cypress	CY7C245	
PLE11RS8	Cypress	CY7C245	
PLE12P8	Signetics	82HS321	
PLE5P8	Signetics	82S123	
PLE5P8AC	Signetics	N82US123A	
PLE8P4	Signetics	82S126	
PLE9P8	Signetics	82S147	
PLE9R8	Cypress	CY7C225	
P80C31	Siemens	SAB80C31	
P80C51	Siemens	SAB80C51	
P8031	Micro-C	8031	
	Siemens	SAB8031	
P8053	Micro-C	8053	
P8080	Micro-C	8080	
P8080A	**Krueger**	**8080A**	**(3548)**
P8085	Micro-C	8085	
	Siemens	SAB8085	

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Manufacturer Device	Replacement Source	Device	IC Master Page
P8086	Micro-C	8086	
	Siemens	SAB8086	
P8088	Micro-C	8088	
	Siemens	SAB8088	
P8155	Micro-C	8155	
	Siemens	SAB8155	
P82C288	Siemens	SAB82288	
P82C54	Micro-C	82C54	
	Newbridge	**CA82C54**	**(3593)**
P8212	National	DP8212	
P8216	National	DP8216	
P8226	National	DP8226	
P82284	Micro-C	82284	
P8237	Krueger	8237	
	Micro-C	8237	
	Siemens	SAB8237	
P8237A	**Newbridge**	**CA82C37A**	**(3593)**
P8251	Micro-C	8251	
P8253	Micro-C	8253	
P8255	Micro-C	8255	
P8256	Siemens	SAB8256	
P8259	Micro-C	8259	
	Newbridge	**CA82C59A**	**(3593)**
	Siemens	SAB8259	
P8284	Micro-C	8284	
P8284A	**Newbridge**	**CA82C84A**	**(3593)**
P8286	Micro-C	8286	
	Siemens	SAB8286	
P8287	Siemens	SAB8287	
P8288	**Newbridge**	**CA82C88**	**(3593)**
R80188	Siemens	SAB80188	
SN54S244	AMD	AM54S244	
	Signetics	54S244	
	TI	SN54S244	
SN54557	LogicDev	LMU557	
SN54558	LogicDev	LMU558	
SN74LS461	National	DM74LS461	
SN74557	LogicDev	LMU557	
SN74558	LogicDev	LMU558	
TC57512	Toshiba	TC27512	
WD1018	Micro-C	1018	
Z8030	Micro-C	8030	
Z8530	Micro-C	8530	
Z8531	Micro-C	8531	
27H010	ICT	27CX010	
27H010C-45	ICT	27CX010C-45	
27H010C-55	ICT	27CX010C-55	
27H010C-70	ICT	27CX010C-70	
27S12	Signetics	N82S130	
27S12A	Signetics	N82S130A	
27S13	Signetics	N82S131	
27S13A	Signetics	N82S131A	
27S18	Signetics	N82S23	
27S181	Signetics	82S181	
27S181A	Signetics	82S181A	
27S185	Signetics	82S185	
27S185A	Signetics	82S185A	
27S19	Signetics	N82S123	
27S19A	Signetics	N82S123A	
27S19SA	Signetics	N82US123A	
27S20	Signetics	N82S126	
27S20A	Signetics	N82S126A	
27S21	Signetics	N82S129	
27S21A	Signetics	N82S129A	
27S281	Signetics	82S181N3	
27S281A	Signetics	82S181AN3	
27S29	Signetics	N82S147A	
27S29A	Signetics	N82S147B	
27S31	Signetics	N82S141A	
27S31A	Signetics	N82S141B	
27S33	Signetics	82S137	
27S35	Signetics	82HS187	
27S35A	Signetics	82HS187A	
27S37	Signetics	82HS187	
27S37A	Signetics	82HS187A	
27S41	Signetics	82HS195	
27S41A	Signetics	82HS195A	
27S43A	Signetics	82HS321	
2817	SEEQ	2817	
2864	SEEQ	28C64	
		2864	
♦ 2905	Lansdale	AL2905	
♦ 2906	Lansdale	AL2906	
♦ 2915	Lansdale	AL2915	
3341	AMD	AM3341	
53RA1681	Cypress	CY7C245	
53RA481	Cypress	CY7C225	
53RS1681	Cypress	CY7C245	
53RS881	Cypress	CY7C235	
53R1681	Cypress	CY7C245	
53S1681	Cypress	CY7C291	
		CY7C292	
53S240	Signetics	N82S130	

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Manufacturer Device	Replacement Source	Device	IC Master Page
53S3281	Waferscale	WS57C43	
53S881	Cypress	CY7C281	
		CY7C282	
5381	Cypress	CY7C281	
		CY7C282	
57C401	IDT	IDT72401	
57C4013	IDT	IDT72403	
57C402	IDT	IDT72402	
57C4023	IDT	IDT72404	
57C4033	IDT	IDT72413	
57401	Cypress	CY7C401	
	IDT	IDT72401	
57402	Cypress	CY7C402	
	IDT	IDT72402	
63RA161	Fujitsu	MB7238	
63RA1681	Cypress	CY7C245	
	Fujitsu	MB7238	
63RA481	Cypress	CY7C225	
	Fujitsu	MB7226	
63RS1681	Cypress	CY7C245	
63RS881	Cypress	CY7C235	
	Fujitsu	MB7232	
	Signetics	82HS187	
63RS881A	Signetics	82HS187A	
63S080	Fujitsu	MB7111	
	Signetics	N82S23	
63S081	Signetics	N82S123	
		82S123	
63S081A	Signetics	N82S123A	
♦ 63S140	Lansdale	HL7610	
	Signetics	N82S126	
		82S126	
♦ 63S141	Lansdale	HL7611	
	Signetics	N82S129	
		82S126	
63S141A	Signetics	N82S129A	
♦ 63S1641	Lansdale	HL76165	
	Signetics	82HS195	
63S1641A	Signetics	82HS195A	
♦ 63S1681	Lansdale	HL76161	
	Cypress	CY7C291	
		CY7C292	
♦ 63S1681	Fujitsu	MB71A38	
		MB7138	
♦ 63S1681	Signetics	N82S191A	
		82S191	
♦ 63S1681	Waferscale	WS57C191	
		WS57C291	
♦ 63S240	Lansdale	HL7620	
	Fujitsu	MB7115	
♦ 63S241	Lansdale	HL7621	
	Signetics	N82S131	
63S241A	Signetics	N82S131A	
63S280	Fujitsu	MB7117	
63S281	Fujitsu	MB7118	
	Signetics	N82S135	
♦ 63S3281	Lansdale	HL76321	
	Fujitsu	MB7142	
	ICT	27CX321C-45	
	Waferscale	WS57C43	
63S3281A	Signetics	82HS321	
63S381	ICT	27CX321	
63S381A	ICT	27CX321C-35	
63S440	Fujitsu	MB7121	
63S441	Fujitsu	MB7122	
	Signetics	82S137	
63S441A	Signetics	82S137A	
63S480	Fujitsu	MB7123	
63S481	Fujitsu	MB7124	
	Signetics	N82S147A	
		82S147	
63S481A	Signetics	N82S147B	
63S485	Signetics	N82S141A	
		82S141	
63S6481	Signetics	82HS641	
63S841	Fujitsu	MB7128	
	Signetics	82S185	
63S841A	Signetics	82S185A	
63S881	Cypress	CY7C281	
		CY7C282	
	Fujitsu	MB7132	
	Signetics	N82S181	
		82S181	
63S881A	Signetics	82S181A	
63S881ANS	Signetics	82S181AN3	
63S881NS	Signetics	82S181N3	
♦ 6300	Lansdale	HL7610	
♦ 6301	Lansdale	HL7611	
♦ 6305	Lansdale	HL7620	
♦ 6306	Lansdale	HL7621	
631681	Waferscale	WS57C291	
♦ 6330	Lansdale	HL7602	
♦ 6331	Lansdale	HL7603	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 6340	Lansdale	HL7640	
♦ 6341	Lansdale	HL7641	
♦ 6349	Lansdale	HL7649	
♦ 6352	Lansdale	HL7642	
♦ 6353	Lansdale	HL7643	
♦ 6381	Lansdale	HL7681	
	Cypress	CY7C281	
		CY7C282	
♦ 6389	Lansdale	HL7685	
67C401	IDT	IDT72401	
67C4013	IDT	IDT72403	
67C402	IDT	IDT72402	
67C4023	IDT	IDT72404	
67C4033	IDT	IDT72413	
67C413	IDT	IDT72413	
67L401	GEC Plessey	MV66401	
67L402	Cypress	CY7C402	
67401	Cypress	CY7C401	
		CY7C403	
	GEC Plessey	MV65401	
	IDT	IDT72401	
67402	Cypress	CY7C402	
		CY7C404	
	GEC Plessey	MV65402	
	IDT	IDT72402	
67411	Cypress	CY7C403	
	GEC Plessey	MV65401	
67412	Cypress	CY7C402	
	GEC Plessey	MV65402	
67413	IDT	IDT72413	
♦ 74LS169	Rochester	74LS169	
♦ 8T26	Rochester	8T26	
♦ 8T28	Rochester	8T28	
80C31BH	Signetics	SC80C31B	
80C51BH	Signetics	SC80C51B	
80186	**Krueger**	**80186**	**(3548)**
	Siemens	SAB80186	
80286	Harris	80C286	
	Siemens	SAB80286	
8031	Krueger	8031	
8035	Krueger	8035	
8039	Krueger	8039	
8052	Signetics	SCN8052H	
8085A	**Krueger**	**8085A**	**(3548)**
8086	**Krueger**	**8086**	**(3548)**
8088	Krueger	8088	
82005	SEEQ	82005	
82025	SEEQ	82025	
82284	Intel	SAB82284	
82284P	Siemens	SAB82284	
8251	Krueger	8251	
	SMC	COM8251	
8254	Krueger	8254	
8255	Krueger	8255	
8257	Krueger	8257	
8259A	Krueger	8259	
87C51	Signetics	SC87C51	
87C52T2	Signetics	P87C52	
♦ 9600	Rochester	9600	
♦ 9620	Rochester	9620	
♦ 9621	Rochester	9621	

AEG Corp-Telefunken

TDA1083	Samsung	KA22427
U264	GEC Plessey	SP8755
U417	Allegro Micro	ULN2204
U496	GEC Plessey	SP4780
U6502	GEC Plessey	SP8812
		SP8822
		SP8832
U664	GEC Plessey	SP4632
U666	GEC Plessey	SP4653
U668	GEC Plessey	SP4642

Allegro Micro Systems

A8902	Hitachi	HA13601S
A8903	Hitachi	HA13601S
A8922	Hitachi	HA13471A
A8925	Hitachi	HA13491S
A8931	Hitachi	HA13490MP
A8932	Hitachi	HA13490FP
A8958	Hitachi	HA13490FP
NE5501	Allegro Micro	ULN2021
SCM27C256	Waferscale	WS27C256
SE564	Signetics	SE564
SG3525	National	LM3525
SG3527	National	LM3527
SG3643	Allegro Micro	UDN2962

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Allegro Micro Systems (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN75476	Allegro Micro	UDN5711	
SPL14LC8	Lattice	GAL16V8	
SPL16LC8	Lattice	GAL16V8	
SPL16RC4	Lattice	GAL16V8	
SPL16RC6	Lattice	GAL16V8	
SPL16RC8	Lattice	GAL16V8	
SPL18LC4	Lattice	GAL20V8	
SPL20LC2	Lattice	GAL20V8	
SPL20LC8	Lattice	GAL20V8	
SPL20RC4	Lattice	GAL20V8	
SPL20RC6	Lattice	GAL20V8	
SPL20RC8	Lattice	GAL20V8	
♦ SS54HCT643	Harris	CD54HCT643	
	National	MM54HCT643	
♦ SS54HC574	Harris	CD54HC574	
	Motorola	MC54HC574A	
	National	MM54HC574	
	TI	SN54HC574	
TPQ3904	Elantec	EN2016	
TPQ3906	Elantec	EP2015	
UCN4202	Allegro Micro	UCN5804	
UCN4203	Allegro Micro	UCN5804	
UCN4205	Allegro Micro	UCN5804	
UCN4401	Allegro Micro	UCN5800	
UCN4801	Allegro Micro	UCN5801	
UCN4810	Allegro Micro	UCN5801 UCN5810	
UCN4815	Allegro Micro	UCN5815	
UCN4821	Allegro Micro	UCN5821	
UCN4822	Allegro Micro	UCN5822	
UCN4823	Allegro Micro	UCN5823	
UCN5800A	Micrel	MIC5800	
UCN5801A	Micrel	MIC5801 58P01	
UCN5810	Gould AMI	S4534	
UCN5812	Allegro Micro	UCN5812	
UCN5818	Gould AMI	S4535	
UCN5821A	**Micrel**	**MIC5821**	**(3576)**
UCN5822A	Micrel	MIC5822	
UCN5823A	Micrel	MIC5823	
UCN5841A	Micrel	MIC5841 58P42	
UCN5842A	Micrel	MIC5842 58P42	
UCN5843A	Micrel	MIC5843	
UDN2541	Allegro Micro	UDN2543	
UDN2542	Allegro Micro	UDN2543	
UDN2580	Samsung	KA2580	
UDN2588	Samsung	KA2588	
UDN2935	SiliconG	SG3635	
UDN2949	Allegro Micro	UDN2950	
UDN2950	Unitrode	UC2950	
UDN2952	Allegro Micro	UDN2953 UDN2954	
UDN2956	Allegro Micro	UDN2957	
UDN2975	Allegro Micro	UDN2962	
UDN2993	National	LM18293	
UDN3611	National	DS3631	
UDN3612	National	DS3632	
UDN3613	National	DS3633	
UDN5712	Motorola	MC1472	
UDN5732	Allegro Micro	UDN5752	
UDN6118	Samsung Signetics	KA2651 SA594	
UDN6126	Allegro Micro	UDN6116	
UDN6148	Allegro Micro	UDN6138	
UDN6164	Allegro Micro	UDN6116	
UDN6184	Allegro Micro	UDN6118	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
UDS0400	Allegro Micro	UHC400 UHD400	
UDS0402	Allegro Micro	UHC402 UHD402	
UDS0403	Allegro Micro	UHC403 UHD403	
UDS0406	Allegro Micro	UHC406 UHD406	
UDS0407	Allegro Micro	UHC407 UHD407	
UDS0408	Allegro Micro	UHC408 UHD408	
UDS0432	Allegro Micro	UHC432 UHD432	
UDS0433	Allegro Micro	UHC433 UHD433	
UDS0500	Allegro Micro	UHC500 UHD500	
UDS0502	Allegro Micro	UHC502 UHD502	
UDS0503	Allegro Micro	UHC503 UHD503	
UDS0506	Allegro Micro	UHC506 UHD506	
UDS0507	Allegro Micro	UHC507 UHD507	
UDS0508	Allegro Micro	UHC508 UHD508	
UDS0532	Allegro Micro	UHC532 UHD532	
UDS0533	Allegro Micro	UHC533 UHD533	
UDS2954	Allegro Micro	UDS2953	
UD4181	Allegro Micro	UDN5706	
UGN3013	Allegro Micro	UGN3113	
UGN3019	Allegro Micro TI	UGN3119 TL3019	
UGN3020	Allegro Micro TI	UGN3120 TL3020	
UGN3030	Allegro Micro	UGN3130	
UGN3040	Allegro Micro	UGN3140	
UGN3075	Allegro Micro	UGN3175	
UGN3077	Allegro Micro	UGN3177	
UGN3131	Allegro Micro	UGN3132	
UGN3501	Allegro Micro	UGN3501	
UGS3019	Allegro Micro TI	UGS3119 TL3019	
UGS3020	Allegro Micro TI	UGS3120 TL3020	
UGS3030	Allegro Micro	UGS3130	
UGS3040	Allegro Micro	UGS3140	
UGS3131	Allegro Micro	UGS3132	
UHP181	Allegro Micro	UDN5706	
UHP400	Allegro Micro	UDN5706	
UHP402	Allegro Micro	UDN5703	
UHP406	Allegro Micro	UDN5706	
ULN2001	Motorola National	MC1411 μA9665 DS2001	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
ULN2001			(Cont'd)
	Samsung	KA2655	
	SGS-Thomson	ULN2001	
	SiliconG	SG2001	
ULN2002	Motorola	MC1412	
	National	μA9666 DS2002	
	Samsung	KA2656	
	SGS-Thomson	ULN2002	
	SiliconG	SG2002	
ULN2003	Motorola	MC1413	
	National	μA9667 DS2003	
	Samsung	KA2657	
	SGS-Thomson	ULN2003	
	SiliconG	SG2003	
ULN2004	Motorola	MC1416	
	National	μA9668 DS2004	
	Samsung	KA2658	
	SGS-Thomson	ULN2004	
	SiliconG	SG2004	
ULN2005	Samsung	KA2659	
ULN2011	SiliconG	SG2011	
ULN2012	SiliconG	SG2012	
ULN2013	SiliconG	SG2013	
ULN2014	SiliconG	SG2014	
ULN2021	SiliconG	SG2021	
ULN2022	SiliconG	SG2022	
ULN2023	SiliconG	SG2023	
ULN2024	SiliconG	SG2-24	
ULN2045	SiliconG	SG3821	
ULN2046	GEC Plessey	SL3046 SL32046	
	Harris	CA3146	
ULN2064	SGS-Thomson	ULN2064	
	SiliconG	SG2064	
ULN2065	SGS-Thomson	ULN2065	
	SiliconG	SG2065	
ULN2066	SGS-Thomson	ULN2066	
	SiliconG	SG2066	
ULN2067	SGS-Thomson	ULN2067	
	SiliconG	SG2067	
ULN2068	SGS-Thomson	ULN2068	
	SiliconG	SG2068	
ULN2069	SGS-Thomson	ULN2069	
	SiliconG	SG2069	
ULN2070	SGS-Thomson	ULN2070	
	SiliconG	SG2070	
ULN2071	SGS-Thomson	ULN2071	
	SiliconG	SG2071	
ULN2074	SGS-Thomson	ULN2074	
	SiliconG	SG2074	
ULN2075	SGS-Thomson	ULN2075	
	SiliconG	SG2075	
ULN2076	SGS-Thomson	ULN2076	
	SiliconG	SG2076	
ULN2077	SGS-Thomson	ULN2077	
	SiliconG	SG2077	
ULN2083	Harris	CA3083 CA3183	
ULN2086	Harris	CA3086	
ULN2113	Allegro Micro	ULN2111	
ULN2139	Elantec Motorola	EHA2600 MC1439	
ULN2151	Elantec Motorola	EHA2600 MC1741	
ULN2156	Elantec Motorola	EHA2600 MC1456	
ULN2157	Motorola	MC1456	
ULN2165	Samsung	KA2101	
ULN2171	Elantec	EHA2600	
ULN2173	Elantec	EHA2600	
ULN2174	Elantec	EHA2620	
ULN2175	Elantec	EHA2600	
ULN2176	Elantec	EHA2600	
ULN2204	Samsung	KA22427	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
ULN2240	Allegro Micro	ULN3840	
ULN2264	Motorola	MC13010	
ULN2281	Allegro Micro	ULN3784	
ULN2401	Allegro Micro	ULN2455	
ULN2741	Motorola	MC1741	
ULN2747	Motorola	MC1747	
ULN2801	SGS-Thomson	ULN2801	
ULN2802	SGS-Thomson	ULN2802	
ULN2803	Allegro Micro SGS-Thomson	ULN2803 ULN2803	
ULN2804	SGS-Thomson	ULN2804	
ULN2805	SGS-Thomson	ULN2805	
ULN3006	Allegro Micro	UGN3019 UGN3201 ULN3119	
ULN3007	Allegro Micro	UGN3203	
ULN3008	Allegro Micro	UGN3501	
ULN3100	Allegro Micro	UGN3600	
ULN3101	Allegro Micro	UGN3601	
ULN3304M	Cherry Semi	CS102	
ULN3310	Allegro Micro	ULN3312	
ULN3330	Allegro Micro	ULN3330	
ULN3524	Signetics	SG3524	
ULN3751	SiliconG	SG3173	
ULN3783	Allegro Micro	ULN3782	
ULN3838	Allegro Micro	ULN3839	
ULN3859	Samsung	MC3361	
ULN618	Signetics	NE594	
ULN8124	SiliconG	SG3524	
ULN8125	Allegro Micro SiliconG	SG3525 SG3525	
ULN8126	Allegro Micro SiliconG	SG2526 SG3526	
ULN8127	Allegro Micro SiliconG	SG3527 SG3527	
ULN8142	Signetics	UC3842	
ULN8160	Allegro Micro Signetics	NE5560 NE5560	
ULN8161	Allegro Micro Signetics	NE5561 NE5561	
ULN8168	Allegro Micro Signetics	NE5568 NE5568	
ULN8194	Allegro Micro TI	TL594 TL594	
ULN8195	Allegro Micro TI	TL595 TL595	
ULN8564	Signetics	NE564	
ULQ8124	SiliconG	SG2524	
ULQ8125	SiliconG	SG2525	
ULQ8126	Allegro Micro Motorola	SG2526 SG2526	
ULQ8127	SiliconG	SG2527	
ULQ8195	Allegro Micro	TL595	
ULS2001	SiliconG	SG2001	
ULS2002	SiliconG	SG2002	
ULS2003	SiliconG	SG2003	
ULS2004	SiliconG	SG2004	
ULS2011	SiliconG	SG2011	
ULS2012	SiliconG	SG2012	
ULS2013	SiliconG	SG2013	
ULS2014	SiliconG	SG2014	
ULS2021	SiliconG	SG2021	
ULS2022	SiliconG	SG2022	
ULS2023	SiliconG	SG2023	
ULS2024	SiliconG	SG2-24	
ULS2045	GEC Plessey	SL3145	
ULS2139	Motorola	MC1539	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Allegro Micro Systems (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
ULS2151	Motorola	MC1741	
ULS2156	Motorola	MC1556	
ULS2157	Motorola	MC1558	
ULS2801	SiliconG	SG2801	
ULS2802	SiliconG	SG2802	
ULS2803	SiliconG	SG2803	
		SG2813	
ULS2804	SiliconG	SG2804	
ULS2811	SiliconG	SG2811	
ULS2812	SiliconG	SG2812	
ULS2814	SiliconG	SG2814	
ULS2821	SiliconG	SG2821	
ULS2822	SiliconG	SG2822	
ULS2823	SiliconG	SG2823	
ULS2824	SiliconG	SG2824	
ULS3006	Allegro		
	Micro	UGS3019	
		UGS3119	
ULS8124	SiliconG	SG1524	
ULS8125	SiliconG	SG1525	
ULS8126	Motorola	SG1526	
	SiliconG	SG1526	
ULS8127	SiliconG	SG1527	
ULX8161	Motorola	MC34060	
US5438	Allegro		
	Micro	UHC408	
		UHD408	
US5439	Allegro		
	Micro	UHC408	
US7438	Allegro		
	Micro	UDN5706	
		UHC408	
		UHP0408	
US7439	Allegro		
	Micro	UHL408	
VLN3755	Burr-Brown	OPA2541	
21C14	Krueger	21C14-150	
		21C14-200	
		21C14-450	
♦ 74HC161	Harris	CD74HC161	
	Hitachi	HD74HC161	
	National	MM74HC161	
	NJR	NJU74HC161	
	SGS-Thomson		
		M74HC161	
	Sharp	LR74HC161	
	Signetics	74HC161	
	TI	SN74HC161	
	Toshiba	TC74HC161A	
	Universal	US74HC161	

Altera

Manufacturer Device	Replacement Source	Device	IC Master Page
EPM5032	Cypress	CY7C344	
EPM5064	Cypress	CY7C343	
EPM5128	Cypress	CY7C342	
EPS448	Micro-C	448	
EP310	ICT	PEEL18CV8	
	Lattice	GAL16V8	
		GAL18V10	
EP320	ICT	PEEL18CV8	
	Lattice	GAL16V8	
		GAL18V10	
EP330	Lattice	GAL16V8	
		GAL18V10	
EP610	TI	EP630	
EP630	TI	EP630	
EP900	Micro-C	900	

Analog Devices

Manufacturer Device	Replacement Source	Device	IC Master Page
μA747	Raytheon	RC747	
ADADC80	Burr-Brown	ADC80	
	Harris	HI574	
	MicroNet	ADC80	
ADADC84	**Burr-Brown**	**ADC84**	**(3420)**
	Harris	HI674	
		HI774	
ADADC85	Burr-Brown	ADC85	
	Harris	HI674	
		HI774	
	MicroNet	ADC85	
	Sipex-HSD	HSADC85	
ADADC85S	MicroNet	ADC87	
ADADC87	MicroNet	ADC87	
ADA724	National	DAC0831	
ADCEK12	TI	ICL7135	
		TLC7135	
		TL500	
		TL501	
		TL503	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
ADC032	LinearTech	LTC1091	
ADC0820	LinearTech	LTC1099	
ADC1103	Burr-Brown	ADC803	
♦ ADC1121	AD	AD7550	
ADC1130	Burr-Brown	ADC71	
		ADC72	
ADC1131	Burr-Brown	ADC71	
		ADC72	
ADC1140	Burr-Brown	ADC71	
		ADC72	
		PM75	
ADC816	GEC Plessey	ZN503	
ADC82	TI	ADC0820	
		TLC0820	
ADC84	MicroNet	ADC84	
ADC884	GEC Plessey	ZN503	
ADC89	GEC Plessey	ZN427	
ADC910	National	ADC1005	
		ADC1025	
ADDAC08	Motorola	DAC08	
	National	DAC0800	
		DAC0801	
		DAC0802	
ADDAC71	Burr-Brown	DAC700	
		DAC703	
		DAC71	
	Harris	HIDAC16	
		ICL7121	
	MicroNet	DAC71	
		MN3290	
ADDAC72	Burr-Brown	DAC700	
		DAC703	
		DAC72	
	Harris	HIDAC16	
		ICL7121	
ADDAC80	Burr-Brown	DAC80	
	Harris	HIDAC80	
	MicroNet	DAC80	
	National	DAC1280	
ADDAC85	Burr-Brown	DAC85	
	Harris	HIDAC85	
	MicroNet	DAC85	
	National	DAC2180	
	Sipex-HSD	SPDAC87	
ADDAC87	Burr-Brown	DAC87	
	Harris	HIDAC87	
	MicroNet	DAC87	
	Sipex-HSD	SPDAC87	
ADG200	Siliconix	DG200	
	Unitrode	PIC7513	
ADG201	Fujitsu	MB47201	
		MB47201P	
		MB47201PF	
	Harris	DG201	
		HI0201	
		HI201	
	LinearTech	LTC201	
	Siliconix	DG271	
		DG441	
ADG202	Harris	DG202	
	LinearTech	LTC202	
	Siliconix	DG442	
ADG211	Harris	DG211	
	Siliconix	DG444	
ADG212	Harris	DG212	
	Siliconix	DG445	
ADG221	LinearTech	LTC221	
	Siliconix	DG221	
ADG222	LinearTech	LTC222	
	Siliconix	DG222	
ADG506	Harris	DG506	
	Siliconix	DG406	
ADG507	Harris	DG507	
		HI0507	
	Siliconix	DG407	
ADG508	Harris	DG508	
		HI0508	
	Siliconix	DG408	
ADG509	Harris	DG509	
		HI0509	
	Siliconix	DG409	
ADG526	Harris	DG526	
	Siliconix	DG526	
ADG527	Harris	DG527	
ADG528	Harris	DG528	
	Siliconix	DG528	
ADG529	Harris	DG529	
	Siliconix	DG529	
ADLH0032	Burr-Brown	OPA605	
	Elantec	ELH0032	
	Harris	HA2542	
	National	LH0032	

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Manufacturer Device	Replacement Source	Device	IC Master Page
ADLH0033	Burr-Brown	OPA633	
	Elantec	ELH0033	
	Harris	HA5033	
	National	LH0033	
ADOP07	AD	OPA27	
		OP07	
	LinearTech	LT1001	
		OP07	
	National	LM607	
	Raytheon	OP07	
ADOP27	AD	OPA27	
		OP27	
	Harris	HA5127	
	LinearTech	OP27	
ADOP37	AD	OP37	
	Burr-Brown	OPA37	
	Harris	HA5137	
♦ ADP501	AD	ADP511	
ADREF01	AD	REF01	
ADREF02	AD	REF02	
♦ ADSHM5	AD	HTC0300	
ADSP1009	LogicDev	LMA1009	
		LMU2009	
ADSP1010	Cypress	CY7C510	
	IDT	IDT7210	
	LogicDev	LMA1010	
	Micro-C	1010	
	Waferscale	**WS59510**	**(3753)**
ADSP1012	LogicDev	LMU12	
ADSP1016	IDT	IDT7216	
	LogicDev	LMU16	
		LMU216	
ADSP1017	LogicDev	LMU17	
		LMU217	
ADSP1080	LogicDev	LMU08	
ADSP1081	LogicDev	LMU8	
ADSP1110	LogicDev	LMA1010	
ADSP1516	AMD	AM29C516A	
ADSP1517	AMD	AM29C517A	
ADSP7C901	Cypress	CY2901	
		CY7C910	
ADS7800	LinearTech	LTC1272	
ADVFC32	**Burr-Brown**	**VFC32**	**(3422)**
ADV471	Samsung	KDA0471	
ADV476	Micro-C	476	
	Samsung	KDA0476	
ADV478	Samsung	KDA0478	
AD0042	National	LH0042	
AD0674	Sipex-HSD	SP674	
AD100	National	DAC1020	
AD101	Burr-Brown	3508	
	LinearTech	LM101	
	National	LM101	
AD1140	Burr-Brown	ADC76	
AD1148	Sipex-HSD	SP1148	
AD1376	Analogic	ADC4300	
	Sipex-HSD	HS9576	
AD1380	Analogic	ADC4300	
AD1403	AD	REF43	
	Motorola	MC1403	
AD1408	AD	DAC08	
		DAC1408	
	GEC Plessey	ZN429	
	Motorola	MC1408	
	Samsung	KDA0800	
AD1508	GEC Plessey	ZN429	
	Motorola	MC1508	
	Raytheon	DAC08	
AD171	Burr-Brown	3582	
AD200	Siliconix	DG200	
♦ AD2003	AD	AD2021	
AD201	National	LM210	
	Siliconix	DG411	
AD202	**Burr-Brown**	**ISO102**	**(3414)**
		ISO106	**(3414)**
		ISO120	**(3414)**
		ISO121	**(3414)**
		3656	
AD204	**Burr-Brown**	**ISO102**	**(3414)**
		ISO106	**(3414)**
AD210	Burr-Brown	3656	
AD230	Sipex-HSD	SP230	
AD231	Sipex-HSD	SP231	
AD232	Harris	ICL232	
	LinearTech	LTC1081	
	Sipex-HSD	SP232	
AD233	Sipex-HSD	SP233	
AD234	Sipex-HSD	SP234	
AD235	LinearTech	LT1130	
	Sipex-HSD	SP235	
AD236	Sipex-HSD	SP236	
AD237	LinearTech	LT1138	
	Sipex-HSD	SP237	

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Manufacturer Device	Replacement Source	Device	IC Master Page
AD238	LinearTech	LT1139	
	Sipex-HSD	SP238	
AD239	LinearTech	LT1137	
	Sipex-HSD	SP239	
AD241	LinearTech	LT1136	
	Sipex-HSD	SP241	
AD2700	**Burr-Brown**	**REF10**	**(3417)**
	GEC Plessey	ZNREF100	
	Sipex-HSD	HS2700	
AD2701	Burr-Brown	REF101	
	GEC Plessey	ZNREF100	
	Sipex-HSD	HS2701	
AD2702	Burr-Brown	REF101	
	GEC Plessey	ZNREF100	
	Sipex-HSD	HS2702	
AD2710	**Burr-Brown**	**REF10**	**(3417)**
	GEC Plessey	REF100	
		ZNREF100	
AD2712	Burr-Brown	REF101	
AD2720	GEC Plessey	REF100	
		ZNREF100	
AD289	**Burr-Brown**	**ISO100**	**(3414)**
		ISO102	**(3414)**
		3650	
		3656	
AD293	AD	3656	
	Burr-Brown	**ISO102**	**(3414)**
		ISO106	**(3414)**
AD294	AD	3656	
	Burr-Brown	**ISO102**	**(3414)**
		ISO106	**(3414)**
AD295	AD	3656	
AD301	Motorola	LM301	
	National	LM301	
AD302	Siliconix	DG302	
AD303	Siliconix	DG303	
AD346	AD	SHC804	
	MicroNet	MN346	
	Sipex-HSD	HS346	
AD3542	National	LH0042	
AD3554	**Burr-Brown**	**3554**	**(3411)**
	Harris	**HFA0001**	**(3508)**
♦ AD362	**AD**	**AD1362**	**(3350)**
	Sipex-HSD	HS362	
AD363	AD	SDM856	
	Burr-Brown	SDM854	
		SDM857	
		SDM872	
AD364	Burr-Brown	SDM873	
	Sipex-HSD	HS362	
		HS574	
AD370	MicroNet	MN370	
AD371	MicroNet	MN371	
♦ AD376	**AD**	**AD1376**	**(3323)**
	Burr-Brown	ADC76	
	GEC Plessey	ZN427	
	Sipex-HSD	HS9576	
AD380	Burr-Brown	OPA605	
	Elantec	EL2006	
AD381	Burr-Brown	OPA606	
	Elantec	EL2006	
	LinearTech	LT1022	
AD382	Burr-Brown	OPA605	
	Elantec	EL2006	
AD3860	Burr-Brown	DAC811	
	MicroNet	MN3860	
	Sipex-HSD	HS3860	
AD389	**Burr-Brown**	**SHC76**	**(3419)**
	Harris	HA5320	
	MicroNet	MN374	
	Sipex-HSD	HS9714	
AD401	Sipex-HSD	SP301	
AD402	Sipex-HSD	SP302	
AD451	Raytheon	RC4151	
AD452	Raytheon	RC4152	
♦ AD501	AD	AD711	
♦ AD5010	AD	AD9000	
	GEC Plessey	ZN440	
		ZN441	
♦ AD502	AD	AD711	
AD503	AD	OP41	
	Burr-Brown	OPA121	
AD504	Burr-Brown	3510	
♦ AD505	AD	AD509	
	Motorola	MC1776	
AD506	AD	OP41	
	Burr-Brown	OPA121	
	Motorola	MC1776	
	National	LH0022	
AD507	Burr-Brown	3508	
	Elantec	EHA2620	
		EHA2625	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Analog Devices (Cont'd)			
AD507			(Cont'd)
	Harris	HA2620	
		HA2625	
♦ AD508	AD	AD517	
AD509	AD	OP44	
	Burr-Brown	3507	
	Elantec	EHA2520	
		EHA2525	
	Harris	HA2520	
	Motorola	LM101	
		LM301	
	National	LH0003	
AD510	Burr-Brown	OPA27	
	LinearTech	LT1001	
		OP07	
	TI	OP07	
♦ AD511	AD	AD711	
♦ AD512	AD	AD711	
♦ AD513	AD	AD711	
♦ AD514	AD	AD711	
AD515	AD	OP80	
	Burr-Brown	AD515	
♦ AD516	AD	AD711	
AD517	AD	OP77	
	Burr-Brown	OPA27	
	LinearTech	LT1001	
		OP07	
	TI	OP07	
AD518	AD	OP42	
	Burr-Brown	3507	
	Elantec	EHA2515	
	Harris	HA2510	
		HA2515	
	LinearTech	LM118	
		LT118	
	Motorola	LM101	
		LM301	
♦ AD520	AD	AD524	
		AD711	
AD5200	MicroNet	MN5200	
AD5202	MicroNet	MN5202	
AD5203	MicroNet	MN5203	
AD5204	MicroNet	MN5204	
AD5205	MicroNet	MN5205	
AD5206	MicroNet	MN5206	
AD521	AD	AMP01	
	Burr-Brown	**INA101**	**(3412)**
	National	LH0036	
AD5210	MicroNet	MN5210	
	Sipex-HSD	HS5210	
AD5211	MicroNet	MN5211	
	Sipex-HSD	HS5211	
AD5212	MicroNet	MN5212	
	Sipex-HSD	HS5212	
AD5213	MicroNet	MN5213	
	Sipex-HSD	HS5213	
AD5215	MicroNet	MN5215	
	Sipex-HSD	HS5215	
AD5216	Sipex-HSD	HS5216	
AD522	AD	AMP01	
♦ AD523	AD	AD549	
AD524	AD	AMP01	
	Burr-Brown	**INA101**	**(3412)**
		INA102	**(3412)**
		INA110	
	LinearTech	LT1101	
	National	LH0038	
AD5240	Harris	HI774	
	MicroNet	MN5240	
AD530	Motorola	MC1595	
AD531	Motorola	MC1595	
AD532	Burr-Brown	MPY100	
	Motorola	MC1595	
AD533	Burr-Brown	MPY100	
AD534	**Burr-Brown**	**MPY534**	**(3416)**
AD535	**Burr-Brown**	**MPY534**	**(3416)**
AD536	**AD**	**SSM2110**	**(3347, 3354)**
	Burr-Brown	**4341**	**(3416)**
	LinearTech	LT1088	
AD537	**Burr-Brown**	**VFC32**	**(3422)**
	National	LM331	
	Raytheon	RC4153	
AD539	**Burr-Brown**	**MPY634**	**(3416)**
	Harris	HA2547	
	Raytheon	RC4200	
		RC4200A	
AD542	AD	OP41	
	Burr-Brown	OPA121	
		3542	
	Harris	HA5170	

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Manufacturer Device	Replacement Source	Device	IC Master Page
AD544	AD	OP43	
	Burr-Brown	OPA606	
AD545	AD	OP41	
	Burr-Brown	OPA111	
		OPA121	
♦ AD546	AD	AD711	
AD547	Burr-Brown	OPA111	
AD548	Burr-Brown	OPA111	
		OPA121	
AD549	Burr-Brown	OPA128	
AD5539	Elantec	EL2038	
		EL2039	
	Harris	HA32539	
	Signetics	NE5539	
♦ AD555	AD	AD7519	
AD558	GEC Plessey	ZN558	
AD562	AD	PM562	
	Harris	HI562	
	National	DAC1266	
AD563	National	DAC1265	
AD565	Burr-Brown	DAC80	
		DAC85	
		DAC87	
	Harris	HI565	
AD566	Burr-Brown	DAC80	
		DAC85	
	National	DAC1265	
		DAC1266	
AD567	Burr-Brown	DAC80	
	National	DAC1230	
AD569	Burr-Brown	DAC709	
AD570	GEC Plessey	ZN448	
AD571	AD	ADC910	
	GEC Plessey	ZN501	
		ZN502	
	Harris	CA3310	
		HI7151	
		HI7152	
AD572	**Burr-Brown**	**ADC84**	**(3420)**
		DAC85	
AD573	AD	ADC910	
	GEC Plessey	ZN501	
		ZN502	
	Harris	CA3310	
		HI7151	
		HI7152	
	National	ADC1005	
AD574	Burr-Brown	ADC574	
	Harris	HI574	
	MicroPwr	MP574	
	Signal Proc	HADC574	
	Sipex-HSD	HS574	
AD574A	MicroNet	MN574A	
AD575	GEC Plessey	ZN503	
		ZN504	
AD578	Burr-Brown	ADC803	
AD579	GEC Plessey	ZN501	
		ZN502	
AD580	AD	REF43	
	GEC Plessey	REF25	
		ZNREF025	
	LinearTech	LT580	
	MicroPwr	MP5010	
	Motorola	MC1403	
		MC1503	
AD581	AD	REF01	
		REF10	
	Burr-Brown	**REF10**	**(3417)**
	GEC Plessey	REF100	
		ZNREF100	
	LinearTech	LT1031	
		LT581	
	National	LH0070	
		LM581	
	Raytheon	REF01	
AD582	AD	SMP10	
	Burr-Brown	SHC298	
		SHC5320	
	Harris	HA2420	
		HA2425	
	National	LF398	
AD583	AD	SMP10	
	Burr-Brown	SHC5320	
	Harris	HA2425	
	National	LF198	
AD584	Burr-Brown	REF101	
AD585	Burr-Brown	SHC5320	
	Harris	HA5320	
AD586	LinearTech	LT1027	
AD587	**Burr-Brown**	**REF10**	**(3417)**
		REF101	
AD588	Burr-Brown	REF101	
	National	LM369	

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Manufacturer Device	Replacement Source	Device	IC Master Page
AD589	GEC Plessey	REF12	
	Harris	ICL8069	
	LinearTech	LT1034	
	Motorola	LM385	
	National	LM185	
		LM385	
AD590	Harris	AD590	
	National	LM134	
		LM135	
		LM34	
		LM35	
AD6012	AMD	AM6012	
	AD	DAC312	
	Burr-Brown	DAC80	
		DAC85	
		DAC87	
♦ AD6020	AD	AD9000	
	GEC Plessey	ZN440	
		ZN441	
AD606	**Burr-Brown**	**INA101**	**(3412)**
AD611	AD	OP15	
	Burr-Brown	OPA121	
		PGA200	**(3413)**
		PGA201	
		3606	**(3413)**
	National	LF411	
♦ AD612	AD	AD524	
	Burr-Brown	**PGA200**	**(3413)**
		PGA201	
		3606	**(3413)**
♦ AD614	AD	AD524	
	Burr-Brown	**PGA200**	**(3413)**
		PGA201	
		3606	**(3413)**
♦ AD614	National	LH0086	
AD624	AD	AMP01	
	Burr-Brown	**INA101**	**(3412)**
		INA102	**(3412)**
		INA110	
	National	LH0038	
AD625	AD	AMP01	
	Burr-Brown	**INA101**	**(3412)**
AD632	Burr-Brown	MPY100	
AD633	**Burr-Brown**	**MPY634**	**(3416)**
AD636	LinearTech	LT1088	
AD637	LinearTech	LT1088	
AD642	AD	OP215	
	Burr-Brown	OPA2111	
	LinearTech	LT1057	
AD644	AD	OP215	
	Burr-Brown	OPA2111	
AD647	Burr-Brown	OPA2111	
	LinearTech	LT1057	
AD648	Burr-Brown	OPA2111	
AD650	**Burr-Brown**	**VFC320**	**(3422)**
	National	LM331	
AD651	**Burr-Brown**	**VFC100**	**(3422)**
	National	LM331	
AD654	**Burr-Brown**	**VFC32**	**(3422)**
	National	LM331	
AD667	Burr-Brown	DAC811	
AD670	GEC Plessey	ZN427	
AD673	GEC Plessey	ZN448	
	National	ADC0841	
AD674	Harris	HI674	
	Sipex-HSD	SP674	
AD679	Harris	ICL7115	
AD683	**Burr-Brown**	**SHC803**	**(3420)**
		SHC804	**(3420)**
AD693	**Burr-Brown**	**XTR101**	**(3413)**
AD705	LinearTech	LT1097	
AD707	AD	OP177	
		OP77	
	LinearTech	LT1097	
	Raytheon	RC4077	
AD708	AD	OP200	
♦ AD710	Lansdale	ML1710	
AD711	AD	OP16	
	Burr-Brown	OPA602	
	LinearTech	LT1056	
AD712	AD	OP215	
	Burr-Brown	OPA2111	
	LinearTech	LT1057	
AD713	LinearTech	LT1058	
AD7224	AD	PM7224	
	GEC Plessey	ZN438	
AD7225	AD	DAC8408	
AD7226	AD	PM7226	
AD736	LinearTech	LT1088	
AD737	LinearTech	LT1088	
AD741	AD	OP02	
	Motorola	MC1741	
	National	LM741	

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Manufacturer Device	Replacement Source	Device	IC Master Page
AD744	AD	OP42	
	Burr-Brown	OPA605	
	LinearTech	LT1122	
AD7501	AD	MUX08	
	Burr-Brown	HI508	
		MPC8	
	Harris	HI508	
	Siliconix	DG501	
	Unitrode	PIC7501	
AD7502	AD	MUX24	
	Burr-Brown	HI509	
		MPC4	
	National	LF13509	
	Unitrode	PIC7502	
AD7503	AD	MUX08	
	Siliconix	DG503	
AD7506	AD	MUX16	
	Burr-Brown	HI506	
		MPC16	
	Harris	DG506	
		HI506	
	Siliconix	DG506	
AD7507	AD	MUX28	
	Burr-Brown	HI507	
		MPC8	
	Harris	DG507	
		HI507	
	Siliconix	DG507	
AD7508	Siliconix	DG508	
AD7509	Siliconix	DG509	
AD7510	AD	SW7510	
	Unitrode	PIC7510	
AD7511	AD	SW7511	
	Harris	HI201	
	Unitrode	PIC7511	
AD7512	Harris	HI5043	
	TI	TL182	
	Unitrode	PIC7512	
♦ AD7516	AD	AD7510	
	National	CD4066	
AD7520	AD	PM7533	
	Harris	AD7520	
	MicroPwr	MP7520	
	Raytheon	DAC10	
	TI	AD7533	
		TLC7533	
	Unitrode	PIC7533	
AD7521	AD	PM7521	
		PM7541	
	Burr-Brown	DAC7541	
		DAC85	
	Harris	AD7521	
	MicroPwr	MP7521	
AD7522	MicroPwr	MP7522	
	Unitrode	PIC7522	
AD7523	AD	PM7524	
	GEC Plessey	ZN429	
	Harris	AD7523	
	MicroPwr	MP7523	
	National	DAC0830	
		DAC0831	
		DAC0832	
	Unitrode	PIC7523	
AD7524	AD	PM7524	
	GEC Plessey	ZN428	
		ZN558	
	MicroPwr	MP7524	
	National	DAC0830	
		DAC0832	
	TI	AD7524	
		TLC7524	
AD7524SE/883B			
	TI	AD7524MFKB	
AD7524SQ/883B			
	TI	AD7524MJB	
AD7528	AD	PM7528	
	MicroPwr	MP7528	
	Sipex-HSD	HS7528	
		HS7541	
	TI	AD7528	
		TLC7528	
AD7528TE/883B			
	TI	AD7528MFKB	
AD7528TQ/883B			
	TI	AD7528MJB	
AD7530	AD	PM7533	
	Harris	AD7530	
	MicroPwr	MP7530	
	National	DAC1020	
	Raytheon	DAC10	
	Unitrode	PIC7533	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Analog Devices (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
AD7531	AD	PM7541	
	Burr-Brown	DAC7541	
		DAC85	
	Harris	AD7531	
	MicroPwr	MP7531	
AD7533	AD	PM7533	
	Harris	AD7533	
	MicroPwr	MP7533	
	National	DAC1020	
		DAC1021	
		DAC1022	
	Raytheon	DAC10	
	TI	AD7533	
		TLC7533	
	Unitrode	PIC7533	
AD7534	Harris	ICL7134	
AD7535	Harris	ICL7134	
AD7536	Harris	ICL7134	
AD7537	AD	DAC8248	
AD7538	Harris	ICL7134	
	Sipex-HSD	SP7538	
AD7541	AD	PM7541	
	Burr-Brown	DAC7541	
	Harris	AD7541	
	MicroPwr	MP7541	
	National	DAC1218	
		DAC1219	
	Signal Proc	HDAC7541	
	Sipex-HSD	HS7541	
AD7542	AD	PM7542	
	Burr-Brown	DAC811	
	MicroPwr	MP7542	
	National	DAC1208	
		DAC1209	
		DAC1210	
	Signal Proc	HDAC7542	
AD7543	AD	PM7543	
	MicroPwr	MP7543	
	Signal Proc	HDAC7543	
AD7545	AD	PM7545	
	Burr-Brown	**DAC7545**	**(3418)**
	Harris	AD7545	
	MicroPwr	MP7545	
	National	DAC1208	
		DAC1209	
		DAC1210	
	Signal Proc	HDAC7545	
	Sipex-HSD	HS7545	
AD7546	Burr-Brown	DAC706	
		DAC707	
AD7547	AD	DAC8212	
		DAC8222	
AD7548	AD	PM7548	
	Burr-Brown	DAC811	
	National	DAC1230	
		DAC1231	
		DAC1232	
AD7552	National	ADC1220	
		ADC1225	
AD7571	GEC Plessey	ZN503	
		ZN504	
	National	ADC1005	
		ADC1025	
AD7572	LinearTech	LTC1272	
AD7574	AD	ADC908	
		PM7574	
	GEC Plessey	ZN427	
		ZN448	
	MicroPwr	MP7574	
AD7575	National	ADC0820	
AD7576	GEC Plessey	ZN448	
		ZN449	
	National	ADC0820	
AD7578	National	ADC1205	
		ADC1225	
AD7579	Harris	CA3310	
		HI7151	
AD7580	Harris	CA3310	
		HI7151	
		HI7152	
AD7581	GEC Plessey	ZN437	
	MicroPwr	MP7581	
AD7589	Harris	HI7152	
AD7590	Unitrode	PIC7511	
AD7591	Unitrode	PIC7511	
AD7592	Unitrode	PIC7512	
AD7628	AD		
AD7645	AD	PM7645	
AD7701	Crystal	CS5501	
AD7703	Crystal	CS5503	
AD774	MicroNet	MN774	

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Manufacturer Device	Replacement Source	Device	IC Master Page
AD7820	Crystal	CS7280	
	GEC Plessey	ZN439	
	LinearTech	LTC1099	
	MicroPwr	MP0820	
	National	ADC0820	
	Signetics	ADC0820	
	TI	ADC0820	
		TLC0820	
AD790	Elantec	EL2018	
	LinearTech	LT1016	
AD820	**AD**	**MAT03**	**(3334)**
AD821	**AD**	**MAT03**	**(3334)**
	Harris	CA5160	
	LinearTech	LT1006	
AD822	LinearTech	LT1013	
AD824	LinearTech	LT1014	
AD839	Elantec	EL2039	
AD840	Elantec	EL2040	
	Harris	**HA2840**	**(3508)**
	LinearTech	LT1222	
AD841	Elantec	EL2041	
	Harris	HA2541	
	LinearTech	LT1220	
AD842	Elantec	EL2041	
	Harris	HA2542	
	LinearTech	LT1221	
AD844	Elantec	EL2020	
		EL2030	
	LinearTech	LT1223	
AD845	LinearTech	LT1122	
AD846	AD	OP260	
	Elantec	EL2020	
		EL2030	
	Harris	**HA5004**	**(3508)**
		HA5020	**(3508)**
	LinearTech	LT1223	
AD847	Elantec	EL2041	
	Harris	**HA2544**	**(3508)**
	LinearTech	LT1190	
		LT1224	
AD848	LinearTech	LT1191	
		LT1225	
AD849	Elantec	EL2038	
	LinearTech	LT1192	
		LT1226	
AD8531	Unitrode	PIC7531	
AD897	Hitachi	HD153030F	
AD9000	GEC Plessey	SP9754	
		ZN440	
	MicroNet	MN5903	
AD9005	Sipex-HSD	SP9560	
AD90220	Micro-C	90220	
AD90222	Micro-C	90222	
AD9048	IDT	IDT75C48	
AD9521	GEC Plessey	SL521	
AD9610	Elantec	EL2022	
	Harris	**HA5004**	**(3508)**
	Sipex-HSD	SP9610	
AD9611	Elantec	EL2022	
AD9617	Elantec	EL400	
	Harris	**HFA0001**	**(3508)**
	LinearTech	LT1223	
AD9618	LinearTech	LT1223	
AD9685	AMD	AM6688	
		AM685	
	AD	CMP08	
	Harris	HA0003	
	Signal Proc	HCMP96850	
AD9686	Elantec	EL2018	
	LinearTech	LT1016	
AD9687	AMD	AM6687	
		AM687	
	Signal Proc	HCMP96870	
AD9688	GEC Plessey	SP97504	
AD9700	GEC Plessey	SP97618	
	Signal Proc	HDAC97000	
AD9702	GEC Plessey	ZN454	
AD9768	GEC Plessey	SP9768	
AH8304	GEC Plessey	ZN454	
		ZN455	
AH8404	GEC Plessey	ZN454	
		ZN455	
AMP01	**Burr-Brown**	**INA101**	**(3412)**
		INA102	**(3412)**
	National	LH0038	
AMP05	Burr-Brown	INA110	
BUF03	National	LH0033	
♦ CAV1020	AD	MOD1020	
CAV1210	Burr-Brown	ADC600	
CMP01	LinearTech	LT1011	
CMP02	LinearTech	LT1011	

Manufacturer Device	Replacement Source	Device	IC Master Page
CMP04	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
	TI	LM2901	
		LM3302	
		LM339	
		TLC339	
CMP05	Elantec	EL2018	
		EL2019	
	Signetics	NE5105	
		SA5105	
		SE5105	
C67L401	GEC Plessey	MV66401	
C67L402	GEC Plessey	MV66401	
		MV66402	
DAC02	National	DAC1020	
		DAC1021	
		DAC1022	
DAC03	National	DAC1020	
		DAC1021	
		DAC1022	
DAC05	National	DAC1020	
		DAC1021	
		DAC1022	
DAC08	Fujitsu	MB40748	
	GEC Plessey	ZN429	
	Motorola	DAC08	
	National	DAC0800	
		DAC0801	
		DAC0802	
	Raytheon	DAC08	
DAC0808	AD	DAC1508	
DAC10	GEC Plessey	SP9770	
	Raytheon	DAC10	
DAC100	National	DAC1021	
		DAC1022	
♦ DAC1112	AD	DAC12	
DAC1122	AD	AD7541	
♦ DAC1125	AD	AD7533	
DAC1136	Burr-Brown	DAC729	
DAC1408	National	DAC0806	
		DAC0807	
		DAC0808	
	Signetics	MC1408	
DAC1508	Signetics	MC1408	
DAC312	AMD	AM6012	
	National	DAC1266	
	Signetics	AM6012	
DAC8012	National	DAC1208	
		DAC1209	
		DAC1210	
DAC8212	GEC Plessey	ZN508	
DAC888	National	DAC0830	
		DAC0831	
		DAC0832	
DAS1128	Burr-Brown	SDM856	
		SDM873	
DAS1152	Analogic	ADAM824	
DAS1153	Analogic	ADAM825	
DAS1157	Analogic	ADAM834	
DAS1158	Analogic	ADAM835	
DAS1159	Analogic	ADC4110	
HAS050	**Burr-Brown**	**3554**	**(3411)**
HAS0802	GEC Plessey	ZN439	
HAS1002	GEC Plessey	ZN501	
HAS1202	Burr-Brown	ADC803	
HA5141	AD	OP20	
♦ HDL3805	AD	HDL3806	
HDS1240	Burr-Brown	DAC63	
HI509	AD	MUX24	
HOS050	**Burr-Brown**	**3554**	**(3411)**
	Elantec	EL2006	
	Harris	HA2542	
HOS060	**Burr-Brown**	**3554**	**(3411)**
	Elantec	EL2006	
HOS100	Burr-Brown	OPA633	
	Elantec	EHOS100	
		EL2004	
	Harris	HA5033	
HOS200	Burr-Brown	OPA633	
	Elantec	EHOS200	
HTC0300	Analogic	SHA2200	
	Burr-Brown	**SHC803**	**(3420)**
		SHC804	**(3420)**
	MicroNet	MN0300A	
	Sipex-HSD	HS9720	
♦ HTC0500	AD	HTC0300	
HTS0010	Burr-Brown	SHC600	
	MicroNet	MN4000	
HTS0025	MicroNet	MN4000	
HT0025	Burr-Brown	SHC600	
♦ IDC1703	AD	IRDC1730	
		IRDC1731	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LH0042	National	LH0042	
LM108	Raytheon	LM108	
♦ MAH0801	AD	HAS0802	
♦ MAH1001	AD	HAS1002	
♦ MAS0801	AD	HAS0802	
♦ MAS1001	AD	HAS1002	
♦ MAS1202	AD	HAS1202	
MAT01	GEC Plessey	SL360	
MAT02	GEC Plessey	SL362	
♦ MDA11	AD	AD7521	
♦ MDMS0801	**AD**	**AD9768**	**(3312)**
♦ MDMS1001	AD	HDM1210	
♦ MDMS1101	AD	HDM1210	
♦ MDSL0802	AD	HDS0820	
♦ MDSL1002	AD	HDS1025	
♦ MDSL1201	AD	HDS1250	
♦ MDS0830	AD	HDS0820	
♦ MDS0850	AD	HDS0820	
♦ MDS1040	AD	HDS1025	
♦ MDS1080	AD	HDS1025	
MP208	AD	PM208	
MUX08	Burr-Brown	HI508	
		MPC8	
	Harris	HI0508	
		HI1818	
		HI508	
		IH5108	
		IH6108	
	National	LF13508	
	Siliconix	DG408	
	Unitrode	PIC7501	
MUX16	Burr-Brown	HI506	
		MPC16	
	Harris	HI0506	
		HI506	
		IH6116	
	Siliconix	DG506	
MUX24	Burr-Brown	HI509	
		MPC4	
	Harris	HI0509	
		HI1828	
		HI509	
		IH5208	
		IH6208	
	National	LF13509	
	Siliconix	DG409	
MUX28	Burr-Brown	HI507	
		MPC8	
	Harris	HI0507	
		HI507	
		IH6216	
	Siliconix	DG507	
MUX88	Harris	HI508	
OP01	AnalogSys	MA332	
		MA333	
		MA362	
	Burr-Brown	OPA606	
	Elantec	EHA2500	
	Motorola	MC1436	
		MC1536	
OP02	Raytheon	RC741	
	TI	μA741	
OP04	Burr-Brown	OPA2111	
	LinearTech	LT1013	
	Raytheon	RC747	
	TI	μA747	
OP05	Burr-Brown	OPA27	
	LinearTech	LT1001	
	National	LM607	
OP06	Burr-Brown	OPA37	
OP07	Burr-Brown	OPA27	
	LinearTech	LT1001	
		OP07	
	National	LM607	
	TI	OP07	
		RC4136	
OP08	Burr-Brown	OPA111	
	Motorola	MC1776	
OP09	Raytheon	RC4136	
OP10	Burr-Brown	OPA2111	
	LinearTech	LT1002	
OP11	AnalogSys	MA374	
	Harris	HA5104	
		HA5134	**(3508)**
	LinearTech	LT1014	
OP12	Burr-Brown	OPA21	
	LinearTech	LT1012	
OP14	Burr-Brown	OPA2111	
	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Analog Devices (Cont'd)			
OP14			(Cont'd)
	LinearTech	LT1013	
	TI	MC1458	
		MC1558	
OP15	Burr-Brown	OPA606	
	Harris	CA3140	
	LinearTech	LT1055	
		OP15	
	National	LF411	
	TI	LF351	
		TL071	
		TL081	
OP16	Burr-Brown	OPA606	
	LinearTech	LT1056	
		OP16	
OP160	Elantec	EL2030	
	Harris	**HA5020**	**(3508)**
OP166	Elantec	EL400	
OP17	Burr-Brown	OPA606	
OP177	LinearTech	LT1001	
		LT1097	
OP20	Burr-Brown	OPA21	
OP207	Burr-Brown	OPA2111	
	LinearTech	LT1002	
	Raytheon	RM4207	
OP21	Burr-Brown	OPA21	
OP215	Burr-Brown	OPA2111	
	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
	Harris	CA3240	
	LinearTech	LT1057	
		OP215	
	National	LF412	
	TI	LF353	
		TL072	
		TL082	
OP220	Burr-Brown	OPA2111	
	Elantec	EL2242	
	Harris	HA5142	
	LinearTech	LT1078	
OP221	AD	NE532	
	Burr-Brown	OPA2111	
	Fujitsu	MB47358	
		MB47358P	
		MB47358PE	
	LinearTech	LT1013	
OP227	Burr-Brown	OPA2111	
	LinearTech	OP227	
	Raytheon	RM4227	
OP260	Elantec	EL2232	
OP27	AnalogSys	MA332	
		MA362	
	Burr-Brown	OPA27	
	Harris	HA5127	
	LinearTech	LT1007	
		OP27	
	Motorola	OP27	
	Raytheon	OP27	
	Signetics	SE5534	
	TI	OP27	
OP27AJ/883C			
	TI	OP27ALB	
OP27AZ/883C			
	TI	OP27AJGB	
OP27CJ/883C			
	TI	OP27CLB	
OP27CZ/883C			
	TI	OP27CJGB	
OP270	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
	LinearTech	LT1124	
		OP270	
OP271	Elantec	EL2224	
	Harris	HA5102	
OP290	LinearTech	LT1078	
OP37	AnalogSys	MA362	
	Burr-Brown	OPA37	
	Harris	HA5137	
	LinearTech	LT1037	
		OP37	
	Raytheon	OP37	
	TI	OP37	
OP37AJ/883C			
	TI	OP37ALB	
OP37AZ/883C			
	TI	OP37AJGB	
OP37CJ/883C			
	TI	OP37CLB	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
OP37CZ/883C			
	TI	OP37CJGB	
OP400	Burr-Brown	OPA404	
	Harris	**HA5134**	**(3508)**
	LinearTech	LT1014	
OP41	Burr-Brown	OPA111	
	Harris	HA3193	
OP42	Burr-Brown	OPA602	
	Elantec	EL2041	
	LinearTech	LT1122	
OP420	Burr-Brown	OPA404	
	Harris	HA5144	
	LinearTech	LT1079	
OP421	Burr-Brown	OPA404	
	Fujitsu	MB3615	
		MB3615M	
		MB3615PF	
	LinearTech	LT1014	
OP43	Burr-Brown	OPA111	
OP44	Elantec	EL2041	
OP47	Harris	HA5147	
OP470	Burr-Brown	OPA404	
	Harris	HA5104	
	LinearTech	LT1125	
		OP470	
OP490	LinearTech	LT1079	
OP50	Burr-Brown	OPA27	
OP61	Elantec	EL2020	
		EL2030	
		EL2223	
OP62	**Harris**	**HA5221**	**(3508)**
OP63	**Harris**	**HA5221**	**(3508)**
OP64	Elantec	EL2029	
		EL2041	
	Harris	**HA5221**	**(3508)**
OP65	**Harris**	**CA3450**	**(3508)**
		HA2548	**(3508)**
OP77	Burr-Brown	OPA27	
	Harris	HA5177	
	LinearTech	LT1001	
	National	LM607	
	Raytheon	OP77	
OP80	AD	CA5420	
	Burr-Brown	OPA128	
OP90	Burr-Brown	OPA21	
OP97	LinearTech	LT1012	
		LT1097	
PM1008	LinearTech	LT1008	
PM1012	LinearTech	LT1012	
PM108	Burr-Brown	OPA21	
	LinearTech	LM108	
		LT1008	
	National	LM108	
PM108AJ/883C			
	TI	LM108ALB	
PM108J/883C			
	TI	LM108LB	
PM119	Elantec	EL2252	
PM139	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
	National	LM139	
	Raytheon	LM139	
PM139ARC/883C			
	TI	LM139AFKB	
PM139AY	TI	LM139AJ	
PM139AY/883C			
	TI	LM139AJB	
PM139Y	TI	LM139J	
PM139Y/883C			
	TI	LM139JB	
PM148	Raytheon	LM148	
PM148Y	TI	LM148J	
PM148Y/883C			
	TI	LM148JB	
PM155	Burr-Brown	OPA156	
	LinearTech	LF1055	
		LF155	
		LT1055	
	National	LF155	
PM1558	LinearTech	LT1013	
PM156	Burr-Brown	OPA156	
	LinearTech	LF156	
		LT1056	
	National	LF156	
PM157	Burr-Brown	OPA606	
	National	LF157	
PM208	National	LM208	
PM2108	Burr-Brown	OPA2111	
	LinearTech	LH2108	
	National	LH2108	
	Raytheon	LH2108	
PM219	Elantec	EL2252	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
PM308	LinearTech	LM308	
		LT1008	
	National	LM308	
PM339	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
	National	LM339	
	Raytheon	LM339	
PM355	LinearTech	LF355	
		LT1055	
	National	LF355	
PM356	LinearTech	LF356	
		LT1056	
	National	LF356	
PM357	National	LF357	
PM4136RC/883C			
	TI	RM4136FKB	
PM420	National	LM124	
PM562	Harris	HI0562	
		HI562	
PM725	Burr-Brown	OPA27	
	National	LM725	
PM741	National	LM741	
PM747	Burr-Brown	OPA2111	
	National	LM747	
	Signetics	μA747	
PM7524	GEC Plessey	ZN428	
		ZN558	
	MicroPwr	MP7524	
	TI	TLC7524	
PM7524BQ/883C			
	TI	AD7524MJB	
PM7524BRC/883C			
	TI	AD7524MFKB	
PM7528	MicroPwr	MP7528	
	TI	AD7528	
		TLC7528	
PM7528BR/883C			
	TI	AD7528MJB	
PM7528BRC/883C			
	TI	AD7528MFKB	
PM7533	Harris	AD7533	
	MicroPwr	MP7533	
	National	DAC1021	
		DAC1022	
	TI	AD7533	
		TLC7533	
	Unitrode	PIC7533	
PM7541	Burr-Brown	DAC7541	
	Harris	AD7541	
	MicroPwr	MP7541	
	National	DAC1218	
		DAC1219	
PM7542	MicroPwr	MP7542	
	Signal Proc	HDAC7542	
PM7543	MicroPwr	MP7543	
	Signal Proc	HDAC7543	
PM7545	**Burr-Brown**	**DAC7545**	**(3418)**
	Harris	AD7545	
	MicroPwr	MP7545	
	Signal Proc	HDAC7545	
PM7574	MicroPwr	MP7574	
PM7645	MicroPwr	MP7645	
PM8012	Burr-Brown	DAC8012	
REF01	GEC Plessey	REF100	
		ZNREF100	
	LinearTech	LT1019	
		LT1021	
		REF01	
	Motorola	MC1404	
	National	LM368	
		LM369	
REF02	GEC Plessey	REF50	
		ZNREF050	
	LinearTech	LT1019	
		LT1021	
		REF02	
	Motorola	MC1404	
	National	LM368	
REF03	GEC Plessey	ZNREF025	
	LinearTech	LT1019	
REF05	GEC Plessey	ZNREF050	
REF10	**Burr-Brown**	**REF10**	**(3417)**
	GEC Plessey	REF100	
		ZNREF100	
REF43	LinearTech	LT1019	
	National	LM368	
♦ RTI1200	AD	RTI711	
♦ RTI1201	AD	RTI711	
♦ RTI1202	AD	RTI711	
♦ SERDEX	AD	μMAC5000	
SHA1	**Burr-Brown**	**SHC85**	**(3419)**

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Manufacturer Device	Replacement Source	Device	IC Master Page
SHA2	**Burr-Brown**	**SHC804**	**(3420)**
		SHM60	
SHA21	**Burr-Brown**	**SHC803**	**(3420)**
♦ SHA6	AD	SHA1144	
SHC85	**Burr-Brown**	**SHC85**	**(3419)**
SMP10	Burr-Brown	SHC298	
	Harris	HA2420	
		HA2425	
	Signetics	NE5060	
		SE5060	
SMP11	Burr-Brown	SHC298	
	Harris	HA2420	
		HA2425	
	Signetics	NE5060	
		SE5060	
SMP81	Burr-Brown	SHC5320	
SW01	Siliconix	DG201	
SW02	Siliconix	DG202	
SW05	Harris	HI0200	
		HI0300	
		HI0381	
		HI200	
	Siliconix	DG200	
SW06	Harris	HI0303	
		HI0390	
	National	LF11333	
		LF13333	
SW201	Fujitsu	MB47201	
		MB47201P	
		MB47201PF	
	Harris	HI0201	
	National	LF11201	
		LF13201	
	Siliconix	DG411	
SW202	National	LF11202	
		LF13202	
	Siliconix	DG412	
SW7510	Unitrode	PIC7510	
SW7511	Unitrode	PIC7511	
♦ THC0300	AD	HTC0300	
♦ THS0025	AD	HTC0300	
♦ THS0060	AD	HTC0300	
♦ TSDC1608	AD	TSL1612	
♦ TSDC1609	AD	TSL1612	
♦ TSDC1610	AD	TSL1612	
♦ TSDC1611	AD	TSL1612	
♦ 101	AD	45	
♦ 102	AD	48	
♦ 106	AD	118	
♦ 107	AD	118	
♦ 108	AD	52	
♦ 110	AD	48	
♦ 111	AD	AD308	
♦ 120	AD	50	
♦ 141	AD	40	
♦ 142	AD	48	
♦ 143	AD	52	
♦ 146	AD	AD382	
♦ 149	AD	50	
♦ 153	AD	AD517	
♦ 170	AD	171	
♦ 180	AD	ADOP07	
♦ 183	AD	184	
♦ 220	AD	234	
♦ 230	AD	235	
♦ 231	AD	233	
♦ 235	AD	235	
♦ 274	AD	284	
♦ 279	AD	286	
♦ 280	**AD**	**281**	**(3345)**
♦ 282	AD	292	
♦ 283	AD	292	
♦ 301	AD	52	
♦ 302	AD	310	
♦ 41	AD	AD515	
♦ 424	AD	AD534	
		435	
♦ 43	AD	AD549	
433	**Burr-Brown**	**4302**	**(3416)**
436	Burr-Brown	4204	
		4206	
♦ 454	AD	AD537	
♦ 456	AD	AD537	
♦ 47	AD	48	
♦ 602J10	AD	AD524	
♦ 602J100	AD	AD524	
♦ 602K100	AD	AD524	
♦ 603	AD	AD524	
♦ 605	AD	AD524	
63S081	Fujitsu	MB7112	
63S140	Fujitsu	MB7113	
63S141	Fujitsu	MB7114	
63S241	Fujitsu	MB7116	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Analog Devices (Cont'd)			
♦ 752	**AD**	**759**	**(3346)**
757	**Burr-Brown**	**LOG100**	**(3416)**
♦ 901	AD	904	
90221	Micro-C	90221	
♦ 907	AD	921	
♦ 908	AD	921	
♦ 909	AD	921	
♦ 948	AD	947	
♦ 971	AD	921	
Analog Microsystems			
PM7524	TI	AD7524	
Analogic			
ADC3202	Gould AMI	S5014	
ADC4202	Gould AMI	S5016	
ADC4203	Gould AMI	S5016	
MP1814	Burr-Brown	DAC70	
		DAC700	
		DAC703	
MP1914	Burr-Brown	DAC70	
		DAC700	
		DAC703	
MP2321	GEC Plessey	ZN450	
		ZN451	
MP6812	Burr-Brown	SDM856	
		SDM857	
		SDM863	
		SDM873	
MP8008	GEC Plessey	ZN439	
MP8014	Burr-Brown	ADC76	
		PCM75	**(3421)**
MP8016	Burr-Brown	ADC76	
		PCM75	**(3421)**
MP8116	Burr-Brown	DAC729	
Apex Microtechnology			
PA01	Burr-Brown	OPA511	
	National	LH0101	
		LM12	
PA010	National	LH0101	
		LM12	
PA011	National	LM12	
PA02	Burr-Brown	OPA541	
	Elantec	ELH0101	
PA07	Burr-Brown	OPA512	
	National	LM12	
PA08	**Burr-Brown**	**3583**	**(3411)**
PA10	Burr-Brown	OPA512	
PA11	Burr-Brown	OPA511	
PA12	Burr-Brown	OPA512	
PA51	Burr-Brown	OPA501	
	National	LM12	
PA61	Burr-Brown	OPA512	
PA73	**Burr-Brown**	**3573**	**(3411)**
	National	LM12	
PA80	Burr-Brown	3580	
PA81	Burr-Brown	3581	
PA82	Burr-Brown	3582	
PA83	**Burr-Brown**	**3583**	**(3411)**
PA84	**Burr-Brown**	**3584**	**(3411)**
Aspen Semiconductor			
CY10E422	Synergy	SY10L422	
		SY10422	
CY10E474	Synergy	SY10L474	
		SY10474	
CY10E494	Synergy	SY10L494	
CY100E422	Synergy	SY100L422	
		SY100422	
CY100E474	Synergy	SY100L474	
		SY100474	
CY100E492	Synergy	SY100492	
CY101E492	Synergy	SY101492	
CY101E494	Synergy	SY101L494	
		SY101494	
AT&T			
M41256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
REACH1	Hitachi	HD153021F	

Manufacturer Device	Replacement Source	Device	IC Master Page
ATMEL			
AT22V10	AMD	C22V10	
	Cypress	CYPALC22V10	
	Gould AMI	**PEEL22CV10**	**(3499)**
	ICT	PEEL22CV10	
	Lattice	GAL22V10	
	Samsung	CPL22V10	
AT22V210	**Gould AMI**	**PEEL22CV10**	**(3499)**
AT27C010	AMD	AM27C010	
	Catalyst Semi	CAT27010	
	Krueger	27C010	
	Micro-C	27C1032	
	NEC	μPD27C1001	
AT27C1024	Krueger	27C210	
	NEC	μPD27C1024	
	OKI	MSM27C1024	
		MSM271024	
AT27C128	AMD	AM27C128	
	Krueger	27C128-200	
		27C128-250	
	Microchip	27C128	
AT27C256	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	Micro-C	27C256	
	Microchip	27C256	
	OKI	MSM27C256	
	SEEQ	27C256	
	Waferscale	WS27C256	
AT27C256-15DM	TI	SMJ27C256-15JM	
AT27C256-20DM	TI	SMJ27C256-20JM	
AT27C256-25DM	TI	SMJ27C256-25JM	
AT27C512	AMD	AM27C512	
	Krueger	27C512-150	
		27C512-200	
		27C512-250	
	Micro-C	27C512	
	Microchip	27C512	
	Waferscale	WS27C512	
AT27C512-20DM	TI	SMJ27C512-20JM	
AT27C512-25DM	TI	SMJ27C512-25JM	
AT27C64	Krueger	27C64-200	
		27C64-250	
		27C64-300	
AT27HC1024	Catalyst Semi	CAT27C210	
AT27HC191	Waferscale	WS57C191	
AT27HC256	AMD	AM27C256	
	Catalyst Semi	CAT27HC256	
	Waferscale	WS57C256	
AT27HC291	Waferscale	WS57C291	
AT27HC64	AMD	AM27C64	
	Microchip	27HC64	
	Waferscale	WS57C64	
AT27HC641	ICT	27CX641	
	Microchip	27HC641	
	NEC	μPD27HC65	
	Waferscale	WS57C49	
AT27HC641-40DC	ICT	27CX641C-40	
AT27HC641-45DC	ICT	27CX641C-45	
AT27HC641-55DC	ICT	27CX641C-55	
AT27HC642	ICT	27CX642	
	NEC	μPD27HC65	
	Waferscale	WS57C49	
AT27HC642-40DC	ICT	27CX624C-40	
AT27HC642-45DC	ICT	27CX642C-45	
AT27HC642-55DC	ICT	27CX624C-55	
AT28C04	EXEL	XL2804	
	Microchip	28C04	
	NEC	μPD28C04	
AT28C16	Catalyst Semi	CAT28C16	
	EXEL	XL28C16	
	Microchip	28C16	
	Samsung	KM28C16	
AT28C17	Microchip	28C17	
	Samsung	KM28C17	

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Manufacturer Device	Replacement Source	Device	IC Master Page
AT28C256	NEC	μPD28C256	
	Samsung	KM28C256	
	SEEQ	28C256	
AT28C64	EXEL	XL2865	
	Fujitsu	MBM28C64	
	Micro-C	28C64	
	Microchip	28C64	
	NEC	μPD28C64	
	OKI	MSM28C64	
	Samsung	KM28C64	
	SEEQ	28C64	
		28C65	
		55C65	
AT28HC16	SEEQ	38C16	
AT28HC191	Cypress	CY7C292	
	SEEQ	36C16	
AT28HC256	SEEQ	28HC256	
AT28HC291	Cypress	CY7C293	
	SEEQ	36C16	
AT28HC64	SEEQ	28C64	
AT28HC642	Cypress	CY7C261	
AT28MC010	SEEQ	M28C010	
AT28MV010	Dense-Pac	DPE51288	
AT28PC64	EXEL	XL28C64	
		XL2864	
	Fujitsu	MBM28C64	
	Samsung	KM28C64	
	SEEQ	28C64	
AT3864	**Krueger**	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
AT3864L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
28C17	Catalyst Semi	CAT28C17	
28C64	Catalyst Semi	CAT28C64	
2864	Catalyst Semi	CAT28C65	
Avasem Corp.			
V3676	Micro-C	3676	
Bipolar Integrated Technology			
B2018	AMD	AM29C516A	
Brooktree			
BT103	GEC Plessey	ZN454	
BT108	GEC Plessey	SP97618	
BT401	Micro-C	401	
BT444	GEC Plessey	ZN454	
BT450	GEC Plessey	ZN455	
BT451	Micro-C	451	
BT457	IDT	IDT75C457	
	Micro-C	457	
BT458	IDT	IDT75C458	
	Micro-C	458	
BT461	Micro-C	461	
BT471	Micro-C	471	
	Samsung	KDA0471	
BT475	ATMEL	AT76C176	
BT476	ATMEL	AT76C176	
	Micro-C	476	
	Samsung	KDA0476	
BT478	Krueger	478	
	Samsung	KDA0478	
BT9021	Micro-C	9021	
Burr-Brown			
ADCHZ	MicroNet	ADC85	
ADC574	Harris	HI574	
	Sipex-HSD	HS574	
ADC574A	MicroNet	MN574A	
ADC60	GEC Plessey	ZN447	
ADC603	Sipex-HSD	SP9560	
ADC674	Harris	HI674	
	Sipex-HSD	SP674	
ADC71	Analogic	ADC4300	
ADC76	Analogic	ADC4300	
	Sipex-HSD	HS9576	
ADC774	Harris	HI774	
	MicroNet	MN774	
ADC80	GEC Plessey	ZN432	
		ZN503	
	Harris	HI674	
	MicroNet	ADC80	

Manufacturer Device	Replacement Source	Device	IC Master Page
ADC82	GEC Plessey	ZN439	
		ZN448	
	Sipex-HSD	ADC82	
ADC84	GEC Plessey	ZN503	
	Harris	HI674	
	MicroNet	ADC84	
	Sipex-HSD	HSADC85	
ADC85	MicroNet	ADC85	
	Sipex-HSD	HSADC85	
ADS7800	Sipex-HSD	SP7800	
AD515	AD	OP80	
BB3554	**Harris**	**HFA0001**	**(3508)**
BB4085	AD	PKD01	
DAC70	Harris	HIDAC16	
		ICL7121	
DAC700	MicroNet	MN3290I	
DAC701	MicroNet	MN3290V	
DAC702	MicroNet	MN3291I	
DAC703	MicroNet	MN3292V	
DAC71	Harris	HIDAC16	
		ICL7121	
	MicroNet	DAC71	
		MN3290	
DAC72	Burr-Brown	DAC72	
	Harris	HIDAC16	
		ICL7121	
	MicroNet	DAC71	
		MN3290	
DAC7541	AD	PM7541	
	Harris	AD7541	
	Sipex-HSD	HS7541	
DAC7545	AD	PM7545	
	Harris	AD7545	
DAC80	Harris	HIDAC80	
	MicroNet	DAC80	
DAC800	MicroNet	DAC80	
		DAC85	
DAC8012	AD	DAC8012	
DAC812	MicroNet	DAC812	
DAC82	GEC Plessey	ZN426	
DAC85	Harris	HIDAC85	
	MicroNet	DAC85	
DAC850	MicroNet	DAC80	
		DAC85	
DAC851	MicroNet	DAC87	
DAC87	Harris	HIDAC87	
	MicroNet	DAC87	
	Sipex-HSD	SPDAC87	
DAC90	GEC Plessey	ZN426	
HOS100	National	LH0033	
INA101	Harris	AMPO1	
INA102	National	LH0038	
INA104	Harris	AMPO1	
MPC800	Harris	HI516	
MPC801	Harris	HI518	
OPA101	AD	OP42	
OPA102	AD	OP44	
OPA103	AD	OP41	
OPA104	AD	OP80	
OPA11	Elantec	EHA2600	
OPA111	AD	OP41	
	Sipex-HSD	SP111	
OPA121	Harris	CA3140	
	Sipex-HSD	SP121	
OPA128	AD	OP80	
OPA21	AD	OP21	
OPA211	AD	OP215	
OPA2111	Harris	HA5102	
OPA2541	**Apex**	**PA25**	**(3379)**
OPA27	AD	OP27	
	Harris	HA5127	
OPA37	AD	OP37	
	Harris	HA5137	
OPA404	AD	OP471	
	Harris	HA5114	
OPA445	Harris	HA2640	
		HA2645	
OPA501	**Apex**	**PA51**	**(3379)**
OPA511	Apex	PA01	
		PA10	**(3379)**
OPA512	**Apex**	**PA10**	**(3379)**
		PA12	**(3379)**
OPA541	**Apex**	**PA02**	**(3379)**
		PA07	**(3379)**
		PA10	**(3379)**
		PA12	**(3379)**
		PA51	**(3379)**
		PA61	**(3379)**
OPA603	Elantec	EL2070	
		EL400	
OPA620	Elantec	EL2030	
		EL2073	
		EL400	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Burr-Brown			**(Cont'd)**
OPA620			(Cont'd)
	Harris	**HFA0005**	**(3508)**
OPA621	Elantec	EL2075	
		EL400	
	Harris	**HFA0002**	**(3508)**
OPA633	Elantec	ELH0033	
		EL2002	
		EL2004	
		EL2033	
	Harris	HA5033	
OP27	Raytheon	OP27	
OP37	Raytheon	OP37	
REF10	AD	REF01	
		REF10	
SDM862	Sipex-HSD	SP9462	
SDM872	Sipex-HSD	SP9472	
SDM873	Sipex-HSD	SP9473	
SHC298	AD	SMP10	
	National	LF398	
SHC5320	Harris	HA5320	
SHC702	Analogic	AH20016	
SHC76	MicroNet	MN374	
	Sipex-HSD	HS9714	
SHC80	National	LF398	
SHC803	Analogic	AH20016	
SHC804	Analogic	AH20016	
	Burr-Brown	**SHC804**	**(3420)**
SHC85	AD	SMP10	
	Harris	HA2425	
	National	LF398	
VFC32	Raytheon	RC4151	
VFC42	Raytheon	RC4152	
VFC52	Raytheon	RC4153	
3500	Elantec	EHA2600	
3503	Elantec	EHA2505	
3506	Elantec	EHA2605	
3507	Elantec	EHA2525	
	National	LM6361	
3508	Elantec	EHA2625	
	Harris	HA2625	
3533	National	LH0033	
3542	National	LH0042	
3550	National	LM6361	
3551	Harris	HA5160	
		HA5162	
	National	LM6361	
3553	National	LH0063	
3554	**Apex**	**WA01**	**(3378)**
	Harris	**HFA0001**	**(3508)**
	National	LH0032	
3571	Apex	PA01	
		PA07	**(3379)**
		PA12	**(3379)**
		PA61	**(3379)**
	National	LM675	
3572	Apex	PA01	
		PA07	**(3379)**
		PA10	**(3379)**
		PA12	**(3379)**
		PA61	**(3379)**
3573	**Apex**	**PA73**	**(3379)**
	National	LM675	
3580	**Apex**	**PA83**	**(3378)**
3581	Apex	PA81	
3582	Apex	PA82	
3583	**Apex**	**PA83**	**(3378)**
3584	**Apex**	**PA84**	**(3378)**
3606	National	LH0084	
		LH0086	
3626	National	LH0036	
3629	National	LH0038	
3751	**Apex**	**PA10**	**(3379)**
4202K	Raytheon	RC4200	
		RC4200A	
4205K	Raytheon	RC4200	
		RC4200A	

Catalyst Semiconductor

CAT27C210	Krueger	27C210	
	NEC	μPD27C1024	
CAT27C256	Krueger	27C256-150	
		27C256-200	
		27C256-250	
CAT27HC010	NEC	μPD27C1001	
CAT27256	**Krueger**	**27256-200**	**(3548)**
		27256-250	**(3548)**
		27256-300	**(3548)**
CAT27512	**Krueger**	**27512-200**	**(3548)**
		27512-250	**(3548)**
CAT28C16	EXEL	XL28C16	
	OKI	MSM28C16	
CAT28C256	NEC	μPD28C256	
CAT28C64	EXEL	XL28C64	
	NEC	μPD28C64	
CAT33C102	EXEL	XL33LC102	
	ICT	93CX56	
CAT33C102P	ICT	93CX56P	
CAT33C104	ICT	93CX66	
CAT33C104P	ICT	93CX66P	
CAT35C102	EXEL	XL35LC102	
		XL93LC56	
	OKI	MSM16812	
	Samsung	KM93C57	
CAT35C102P	ICT	93C56AP	
CAT35C104	EXEL	XL93C66	
		XL93LC66	
	ICT	93C66	
	Samsung	KM93C67	
CAT35C104P	ICT	93C66AP	
CAT35C202	OKI	MSM16912	
CAT35C204	EXEL	XL93C66	
		XL93LC66	
CAT35C56	ICT	93C56	
CAT5412	Crystal	CS5412	
CAT59C11	EXEL	XL93LC46	
	OKI	MSM16911	
CAT71C256	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	Micro-C	S32KX8	
CAT93C46	EXEL	XL93C46	
		XL93LC46	
	ICT	93C46	
	OKI	MSM16811	
	Samsung	KM93C46	
CAT93C46A	ICT	93C46AP	
		93C46P	
CAT93C46K	ICT	93C46AK	
CAT93C46P	ICT	93C46AP	
		93C46P	
CAT93C46PI	ICT	93C46API	
		93C46PI	

Cherry Semiconductor

CH1526	SiliconG	SG1526	
CS1524	Harris	CA1524	
	SiliconG	SG1524	
CS1525	SiliconG	SG1525	
CS1527	SiliconG	SG1527	
CS166	Allegro Micro	ULN2429	
CS1842	SiliconG	SG1842	
CS1843	SiliconG	SG1843	
CS2524	Harris	CA2524	
	SiliconG	SG2524	
CS2525	SiliconG	SG2525	
CS2526	SiliconG	SG2526	
CS2527	SiliconG	SG2527	
CS2842	Unitrode	UC2842	
CS2843	Unitrode	UC2843	
CS3471	Motorola	MC3471	
CS3524	Harris	CA3524	
	Unitrode	UC3524	
CS3706	Unitrode	UC3706	
CS3770	Unitrode	UC3770	
CS3805	**Gennum**	**GP605**	**(3494)**
CS3842	Astec Semi	AS3842	
CS3843	Astec Semi	AS3843	
	Unitrode	UC3843	
CS3844	Astec Semi	AS3844	
CS3845	Astec Semi	AS3845	
	Unitrode	UC3845	
CS511	Hitachi	HA166008FP	
CS593	SiliconG	UC493	
CS595	Fujitsu	MB3760	
CS7100	Hitachi	HA13490FP	
CS7105	Hitachi	HA13490FP	
CS8204	Samsung	KA2410	
ML8205	Samsung	KA2411	
UC2844	Unitrode	UC2844	

Chips and Technologies

CS82C206	UMC	UM82C06	
CS82C211	UMC	UM82C211	
CS82C212	UMC	UM82C212	
CS82C215	UMC	UM82C215	
F82C432	Micro-C	82C432	
F82C455	Micro-C	82C455	
P82A205	Micro-C	82A205	

(Continued)

P82C201	Micro-C	82C201	
P82C202	Micro-C	P82C202	
P82C206	Micro-C	82C206	
	Samsung	KS83C206	
P82C211	Micro-C	82C211	
	Samsung	KS83C211	
P82C212	Micro-C	82C212	
	Samsung	KS83C212	
P82C215	Micro-C	82C215	
	Samsung	KS83C215	
P82C42	Micro-C	82C42	
P82C431	Micro-C	82C431	
P82C432	Micro-C	82C432	
P82C433	Micro-C	82C433	
P82C434	Micro-C	82C434	
P82C605	Micro-C	82C605	
P82C811	Micro-C	82C811	
P82C812	Micro-C	P82C812	
TMP8259	Siemens	SAB8259	
82C201	Micro-C	82C201	
82C206	Siemens	SAB82C206	
82C605	Samsung	KS82C452	

Cirrus Logic

GD420	Micro-C	420
GD510	Micro-C	510

California Micro Devices

CM1232	Crystal	CS1232
G8870	Crystal	CS8870
	GEC Plessey	MV8870
	Samsung	KT3170

Comlinear

CLC110	Elantec	EL2002	
		EL2072	
CLC231	Elantec	EL2022	
CLC400	AD	OP260	
	Elantec	EL400	
	Harris	**HFA0001**	**(3508)**
CLC401	AD	OP260	
	Elantec	EL2030	
		EL2071	
		EL2171	
	Harris	**HFA0005**	**(3508)**
CLC404	Elantec	EL400	
CLC410	Elantec	EL2070	

Commodore

MPS6551	Gould AMI	S6551
MP6551	Gould AMI	S6551
6545	Krueger	6845

Crystal Semiconductor

CSZ5114	Analogic	ADC3201	
CSZ5116	Analogic	ADC4202	
CS1232	CMD Micro	CM1232	
CS2180	Level One	LXP2180	
CS5014	Analogic	ADC3202	
	Gould AMI	S5014	
CS5016	Analogic	ADC4201	
		ADC4203	
	Gould AMI	S5016	
CS5412	Gould AMI	S5412	
CS61535	Level One	LXT305	
CS61574	Level One	LXT300	
		LXT304	
CS6158	Level One	LXT301	
CS8870	CMD Micro	CM8870	
C55012	Gould AMI	S5012	

Cypress Semiconductor

CYC183	Toshiba	TC55187	
CYC184	Toshiba	TC55188	
CYC261	NEC	μPD27HC65	
CYC263	NEC	μPD27HC65	
CYC264	NEC	μPD27HC65	
CYC412	SGS-Thomson	MK45H01	
		MK4501	
CYC429	SGS-Thomson	MK45H03	
		MK4503	
CYM1220	Cypress	CY7M194	
CYM1240	Inova	S256K4	
	IDT	IDT7M4042	

(Continued)

CYM1400	Dense-Pac	DPS41257	
CYM1420	Dense-Pac	DPS41288	
	IDT	IDT8M824	
CYM1421	Dense-Pac	DPS41288	
	IDT	IDT8M824	
	LogicDev	LMM824	
CYM1422	IDT	IDT8MP824	
CYM1423	Dense-Pac	DPS41288	
CYM1441	IDT	IDT7M4034	
	Motorola	MCM8256	
CYM1460	IDT	IDT7MP4008	
CYM1461	IDT	IDT7MP4008	
		IDT7MP4058	
CYM1464	Dense-Pac	DPS512S8	
	Inova	S512K8	
	IDT	IDT7MB4048	
		IDT7M4048	
CYM1465	IDT	IDT7M4048	
CYM1610	IDT	IDT7MC4005	
		IDT8M656	
CYM1611	Dense-Pac	DPS16X17	
	IDT	IDT7MC4005	
CYM1620	Dense-Pac	DPS8M624	
	IDT	IDT8M624	
CYM1621	Dense-Pac	DPS1027	
	IDT	IDT7M624	
	LogicDev	LMM624	
CYM1622	Dense-Pac	DPS64S16	
	IDT	IDT7MP4028	
CYM1623	Dense-Pac	DPS8M624	
	Inova	S64K16	
	IDT	IDT8M624	
CYM1624	Cypress	CY7MP4028	
CYM1626	Cypress	CY8MP624	
CYM1641	Cypress	CY7M4016	
	LogicDev	LMM4016	
CYM1821	Cypress	CY7MP4031	
CYM1822	IDT	IDT7MC4032	
CYM1828	Cypress	CY7M4003	
CYM1830	Dense-Pac	DPS6433	
	IDT	IDT7M4017	
CYM1831	IDT	IDT7MP4036	
	Motorola	MCM3264	
CYM1832	IDT	IDT7MP4036	
CYM1840	IDT	IDT7M4067	
CYM1841	IDT	IDT7MP4045	
CYM4210	IDT	IDT7205	
CYM4220	IDT	IDT7M206	
CY1E484	IDT	IDT101A484	
CY1E494	IDT	IDT101494	
CY10E474	NEC	μPB10474	
CY10E484	IDT	IDT10A484	
CY10E494	IDT	IDT10494	
CY100E474	NEC	μPB100474	
CY100E484	IDT	IDT100A484	
CY100E494	IDT	IDT100494	
CY21L48	AMD	AM21L48	
	Cypress	CY7C148	
	Performance	P4C148L	
CY21L49	AMD	AM21L49	
	Cypress	CY7C149	
CY2147	Cypress	CY7C147	
	Krueger	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
	Performance	P4C147	
	SGS-Thomson	IMS1203	
CY2148	Cypress	CY21L48	
		CY7C148	
	Performance	P4C148	
	SGS-Thomson	IMS1223	
CY2149	Cypress	CY21L49	
		CY7C149	
	Krueger	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**
	Performance	P4C149	
	SGS-Thomson	IMS1223	
CY27S03	Cypress	CY54S189	
		CY7C189	
		CY74S189	
CY27S07	Cypress	CY7C190	
CY2901	AMD	AM2901	
	Cypress	CY7C901	
	Waferscale	WS5901	
CY2909	AMD	AM2909	
	Cypress	CY7C909	
CY2910	Cypress	CY7C910	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Cypress Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
CY2911	Cypress	CY7C911	
CY3341	Cypress	CY7C401	
	GEC Plessey	MJ2841	
	IDT	IDT72401	
♦ CY54S189	National	DM54S189	
		DM54S189A	
♦ CY54S189	Signetics	54S189	
	Cypress	CY27S03	
CY6116	IDT	IDT6116	
	LogicDev	L6116	
	Micro-C	S2KX8	
CY6117	IDT	IDT6116	
CY7B161	Samsung	KM64B67	
CY7B164	Samsung	KM64B65	
CY7B166	Toshiba	TC55B417	
CY7B185	Toshiba	TC55B88	
CY7C106	AT&T	ATT7C106	
	Mosel	MS621002	
CY7C107	AT&T	ATT7C107	
CY7C108	AT&T	ATT7C108	
CY7C109	AT&T	ATT7C109	
	Mosel	MS621008	
CY7C122	AMD	AM91L22	
		AM9122	
	Micro-C	S25KX4	
		7C122	
	Performance	P4C422	
CY7C128	AT&T	ATT7C116	
	GoldStar	GM76C28	
	IDT	IDT6116	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	LogicDev	L6116	
	Performance	P4C116	
	UMC	UM6116	
	Vitelic	V61C16	
CY7C129	Vitelic	V61C16	
CY7C130	AMD	AM2130	
	IDT	IDT7130	
CY7C131	IDT	IDT7130	
CY7C132	IDT	IDT7132	
CY7C136	IDT	IDT71321	
CY7C140	IDT	IDT7140	
CY7C141	IDT	IDT7140	
CY7C142	IDT	IDT7142	
CY7C144	UMC	UM61168	
CY7C146	IDT	IDT71421	
CY7C147	AMD	AM2147	
	Krueger	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
	Micro-C	S4KX4	
	Performance	P4C147	
	SGS-Thomson		
		IMS1203	
CY7C147-45DMB			
	Cypress	AM2147-45/BVA	
CY7C148	AMD	AM2148	
	Krueger	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
	Performance	P4C148	
	SGS-Thomson		
		IMS1223	
CY7C149	AMD	AM2149	
	Performance	P4C149	
CY7C150	AMD	AM91L50	
		AM9150	
	Micro-C	S1KX4	
	Performance	P4C150	
CY7C157	AT&T	ATT7C157	
CY7C161	AT&T	ATT7C161	
	IDT	IDT71981	
	LogicDev	L7C161	
	MicronTech	MT5C6406	
	Performance	P4C1981	
	Quality Semi	QS8881	
CY7C162	AT&T	ATT7C162	
	IDT	IDT71982	
	LogicDev	L7C162	
		L7C192	
	MicronTech	MT5C6407	
	Performance	P4C1982	
	Quality Semi	QS8882	
CY7C164	AT&T	ATT7C164	
	IDT	IDT7188	
	Krueger	**6288-25**	**(3548)**

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
CY7C164	Krueger		(Cont'd)
		6288-35	
		6288-45	
	LogicDev	L7C164	
	MicronTech	MT5C6404	
	Motorola	MCM6288	
	NEC	μPD4362	
	Performance	P4C188	
	Quality Semi	QS8888	
	Samsung	KM6465	
	SGS-Thomson		
		IMS1620	
	Sony	CXK5464	
	Toshiba	TC55416	
CY7C166	AT&T	ATT7C166	
	IDT	IDT6198	
	Krueger	6289-25	
		6289-35	
		6289-45	
	LogicDev	L7C166	
	Micro-C	S16KX4PSC	
	MicronTech	MT5C6405	
	Motorola	MCM6290	
	Performance	P4C198	
	Quality Semi	QS8886	
	Samsung	KM6466	
	SGS-Thomson		
		IMS1624	
	Sony	CXK5465	
	Toshiba	TC55417	
CY7C167	AMD	AM2167	
	AT&T	ATT7C167	
	IDT	IDT6167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	LogicDev	L7C167	
	MicronTech	MT5C1601	
	SGS-Thomson		
		IMS1403	
		MK41H67	
CY7C168	AMD	AM2168	
	AT&T	ATT7C168	
	IDT	IDT6168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
	Micro-C	S4KX4	
	Motorola	MCM6268	
	Performance	P4C168	
	SGS-Thomson		
		MK41H68	
	UMC	UM6168	
CY7C169	AMD	AM2169	
	IDT	IDT6168	
	Micro-C	S4KX4	
	MicronTech	MT5C1604	
	Motorola	MCM6269	
	Performance	P4C169	
CY7C170	AT&T	ATT7C170	
	IDT	IDT61970	
	LogicDev	L7C170	
	Micro-C	S4KX4	
	MicronTech	MT5C1605	
	Motorola	MCM6270	
	Performance	P4C170	
CY7C171	AT&T	ATT7C171	
	IDT	IDT71681	
	LogicDev	L7C171	
	MicronTech	MT5C1606	
	Performance	P4C1681	
CY7C172	AT&T	ATT7C172	
	IDT	IDT71682	
	LogicDev	L7C172	
	Micro-C	S4KX4	
	MicronTech	MT5C1607	
	Performance	P4C1682	
CY7C182	IDT	IDT7169	
CY7C183	AT&T	ATT7C183	
	LogicDev	L7C183	
	MicronTech	**MT56C0816 (3581)**	
	Samsung	KM78C80	
	Vitelic	V63C328	
CY7C184	AT&T	ATT7C184	
	LogicDev	L7C184	
	MicronTech	MT56C3816	
	Samsung	KM78C80	
	Sony	CXK7701	
	Vitelic	V63C330	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
CY7C185	AT&T	ATT7C185	
	Dense-Pac	DPS9264	
	IDT	IDT7164	
	Krueger	6264-025	
		6264-035	
		6264-045	
	LogicDev	L7C185	
	MicronTech	MT5C6408	
	Motorola	MCM6264	
	Performance	P4C164	
	SGS-Thomson		
		IMS1630	
	Sony	CXK5863	
	Toshiba	TC5565	
		TC5588	
	UMC	UM6164	
	Vitelic	V63C64	
CY7C186	IDT	IDT7164	
	LogicDev	L7C185	
	Performance	P4C164	
	Toshiba	TC5563	
	UMC	UM6164	
CY7C187	AT&T	ATT7C187	
	IDT	IDT7169	
	Krueger	6287-35	
		6287-45	
		6287-55	
	LogicDev	L7C187	
	Micro-C	S64KX1	
	MicronTech	MT5C1608	
		MT5C6401	
	Motorola	MCM6287	
	NEC	μPD4361	
	Performance	P4C187	
	SGS-Thomson		
		IMS1600	
	Sony	CXK5164	
	Toshiba	TC5561	
		TC5562	
CY7C191	AT&T	ATT7C191	
	LogicDev	L7C191	
	Paradigm	PDM41251	
	Samsung	KM68257	
CY7C192	AT&T	ATT7C192	
	Paradigm	PDM41252	
CY7C194	AT&T	ATT7C194	
	IDT	IDT71B258	
	LogicDev	L7C194	
	MicronTech	MT5C2564	
	Mosel	MS62252	
	Motorola	MCM6208	
	NEC	μPD43254	
	Paradigm	PDM41258	
	Performance	P4C1258	
	Samsung	KM64257	
	Sony	CXK54256	
	Toshiba	TC55464	
	Vitelic	V63C70	
CY7C195	AT&T	ATT7C195	
CY7C196	AT&T	ATT7C196	
	IDT	IDT71B298	
	LogicDev	L7C196	
	MicronTech	MT5C2565	
	Motorola	MCM6209	
	Paradigm	PDM41298	
	Samsung	KM64258	
	Toshiba	TC55465	
	Vitelic	V63C71	
CY7C197	AT&T	ATT7C197	
	LogicDev	L7C197	
	MicronTech	MT5C2561	
	Mosel	MS62251	
	Motorola	MCM6207	
	Paradigm	PDM41257	
	Performance	P4C1257	
	Samsung	KM61257	
	SGS-Thomson		
		IMS1800	
	Sony	CXK51256	
CY7C198	GoldStar	GM76C256	
	Inova	S32K8	
	IDT	IDT71256	
	Krueger	62256-025	
		62256-030	
		62256-035	
	LogicDev	L7C199	
	MicronTech	MT5C2568	
	Motorola	MCM6206	
	NEC	μPD43256	
	Paradigm	PDM41256	
	Sony	CXK58258	
	Toshiba	TC55328	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
CY7C199	AT&T	ATT7C199	
	Dense-Pac	DPS92256	
	Inova	S32K8	
	Krueger	62256-025	
		62256-030	
		62256-035	
	LogicDev	L7C199	
	Mosel	MS62256	
	Paradigm	PDM41256	
	Performance	P4C1256	
	Sony	CXK58258	
	Toshiba	TC55328	
CY7C2148	**Krueger**	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
CY7C2149	**Krueger**	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**
CY7C225	AMD	AM27S25	
	Fujitsu	MB7226	
CY7C235	AMD	AM27S35	
		63RS881	
	Fujitsu	MB7232	
CY7C245	AMD	AM27S45	
	Fujitsu	MB7238	
	Micro-C	7C245	
	Waferscale	WS57C45	
CY7C251	Waferscale	WS57C51	
CY7C253	Waferscale	WS57C51	
CY7C254	Fujitsu	MB71C46	
	Waferscale	WS57C51	
CY7C261	ICT	27CX642	
	Microchip	27HC641	
	Waferscale	WS57C49	
CY7C261-40WC			
	ICT	27CX624C-40	
CY7C261-45WC			
	ICT	27CX642C-45	
CY7C261-55WC			
	ICT	27CX624C-55	
CY7C263	Fujitsu	MB71C44	
		MB7144	
	ICT	27CX642	
	Waferscale	WS57C49	
CY7C263-40WC			
	ICT	27CX624C-40	
CY7C263-45WC			
	ICT	27CX642C-45	
CY7C263-55WC			
	ICT	27CX624C-55	
CY7C264	AMD	AM27C49	
		AM27S49	
	Fujitsu	MB71C44	
		MB7144	
	ICT	27CX641	
	Microchip	27HC641	
	Waferscale	WS57C49	
CY7C264-40WC			
	ICT	27CX641C-40	
CY7C264-45WC			
	ICT	27CX641C-45	
CY7C264-55WC			
	ICT	27CX641C-55	
CY7C271	Microchip	27HC256	
CY7C274	Waferscale	WS57C256	
CY7C281	AMD	AM27S281	
CY7C282	AMD	AM27S181	
	Fujitsu	MB7132	
CY7C282M	Gould AMI	S25089	
CY7C291	AMD	AM27S291	
	Fujitsu	MB71A38	
		MB7138	
	Microchip	27HC291	
	Waferscale	WS57C291	
CY7C292	AMD	AM27S191	
	Fujitsu	MB71A38	
		MB7138	
	Microchip	27HC292	
	Waferscale	WS57C191	
CY7C401	AMD	C57401	
		57401	
		67C401	
	GEC Plessey	MV66401	
	IDT	IDT72401	
	LogicDev	L8C401	
CY7C402	AMD	C57402	
		57402	
		67C402	
	GEC Plessey	MV66402	
	IDT	IDT72402	
	LogicDev	L8C402	

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Cypress Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
CY7C403	AMD	67C4013	
	GEC Plessey	MV66403	
	IDT	IDT72403	
	LogicDev	L8C403	
CY7C404	AMD	67C4023	
	GEC Plessey	MV66404	
	IDT	IDT72404	
	LogicDev	L8C404	
CY7C408	LogicDev	L8C408	
CY7C409	LogicDev	L8C409	
CY7C412	AMD	AM7201	
	LogicDev	L8C201	
CY7C420	AMD	AM7201	
	IDT	IDT7201	
	MicronTech	MT52C9005	
	Mosel	7201	
	Samsung	KM75C01	
	Vitelic	V61C01	
CY7C421	AMD	AM7201	
	IDT	IDT7201	
	MicronTech	MT52C9005	
	Mosel	7201	
	Quality Semi	QS8201	
	Samsung	KM75C01	
CY7C424	AMD	AM7202	
	IDT	IDT7202	
	LogicDev	L8C202	
	Mosel	7202	
	Samsung	KM75C02	
	SGS-Thomson	MK45H02	
	Vitelic	V61C02	
CY7C425	AMD	AM7202	
	IDT	IDT7202	
	Mosel	7202	
	Quality Semi	QS8202	
	Samsung	KM75C02	
CY7C428	AMD	AM7203	
	IDT	IDT7203	
	MicronTech	MT52C9020	
	Mosel	7203	
	Samsung	KM75C03	
	UMC	UM4503	
CY7C429	AMD	AM7203	
	IDT	IDT7203	
	LogicDev	L8C203	
	MicronTech	MT52C9020	
	Mosel	7203	
	Samsung	KM75C03	
CY7C432	AMD	AM7204	
	IDT	IDT7204	
CY7C433	AMD	AM7204	
	IDT	IDT7204	
CY7C510	IDT	IDT7210	
	LogicDev	LMA1010	
	Waferscale	**WS59510**	**(3753)**
CY7C516	AMD	AM29C516A	
	IDT	IDT7216	
	LogicDev	LMU16	
		LMU216	
CY7C517	AMD	AM29C517A	
	IDT	IDT7217	
	LogicDev	LMU17	
		LMU217	
CY7C604	Fujitsu	MB86921	
CY7C67081	Samsung	KM64260	
CY7C67082	Samsung	KM64259	
CY7C901	AMD	AM29C01	
	Micro-C	7C901	
CY7C910	AMD	AM29C10	
	Waferscale	WS5910	
CY7C9101	LogicDev	L29C101	
	Micro-C	7C9101	
	Waferscale	WS59016	
CY7C911	Micro-C	7C911	
CY7194	SGS-Thomson	IMS1820	
CY7291	SEEQ	36C16	
CY7292	SEEQ	36C16	
♦ CY74F189C	National	74F189	
	Signetics	74F189A	
CY74S189-35C			
	National	DM74S189	
		DM74S189A	
	Signetics	74S189	
CY78C424	MicronTech	MT52C9010	
CY78C425	MicronTech	MT52C9010	
CY8C291	SEEQ	36C16	
CY91L22	Cypress	CY7C122	
CY9122	Cypress	CY7C122	
		CY91L22	
		CY93L422	
CY93L422	Cypress	CY7C122	
		CY91L22	
		CY93L422	
	Performance	P93U422	
CY93L422A	Performance	P93U422	
CY93422	Cypress	CY7C122	
		CY9122	
		CY93L422	
	Performance	P93U422	
CY93422A	Performance	P93U422	
C22V10	AMD	PALCE22V10	
M1400	Cypress	CY7M199	
PALC16L8	AMD	PALC16L8	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16L8	
PALC16R4	AMD	PALC16R4	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16R4	
PALC16R6	AMD	PALC16R6	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16R6	
PALC16R8	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16R8	
PALC20CG10	Lattice	GAL20V8	
		GAL22V10	
PALC20G10	**Gould AMI**	**PEEL20CG10**	**(3499)**
PALC22G10	ICT	PEEL20CG10	
PALC22V10	AMD	C22V10	
		PALC22V10	
	ATMEL	AT22V10	
	Gould AMI	**PEEL22CV10**	**(3499)**
	ICT	PEEL22CV10	
	Lattice	GAL20V8	
		GAL22V10	
	Samsung	CPL22V10	
PAL16L8	AMD	AMPAL16L8	
		PAL16L8	
PAL16R4	AMD	AMPAL16R4	
		PAL16R4	
PAL16R6	AMD	AMPAL16R6	
		PAL16R6	
PAL16R8	AMD	PAL16R8	
PAL22V10	Lattice	GAL20V8	
		GAL22V10	
PLDC18G8	Lattice	GAL16V8	
		GAL18V10	
PLDC20RA10	SEEQ	DM20RA10	
		DQ20RA10	
		LM20RA10	
		NQ20RA10	
		PQ20RA10	
PLD20RA10	Lattice	GAL20RA10	
109823	Micro-C	109823	
2901	AMD	AM29C01	

Dallas Semiconductor

Manufacturer Device	Replacement Source	Device	IC Master Page
DS1210	Benchmarq	BQ2201	
	CMD Micro	CM1210	
	SGS-Thomson	MK48Z02	
DS1220	Micro-C	1220	
DS1221	Benchmarq	BQ2204	
DS1225	Benchmarq	BQ4010	
	Micro-C	1225	
	SGS-Thomson	MK48Z08	
DS1230	Benchmarq	BQ4011	
	SGS-Thomson	MK48Z30	
DS1232	CMD Micro	CM1232	
	Crystal	CS1232	
	LinearTech	LTC1232	
DS1235	Benchmarq	BQ4011	
	Micro-C	1235	
	SGS-Thomson	MK48Z30	
DS1243	SGS-Thomson	MK48T08	
DS1245	Benchmarq	BQ4013	
DS1285	Benchmarq	BQ3285	
			(Continued)
DS1287	Benchmarq	BQ3287	
	Micro-C	1287	
	SGS-Thomson	MK48T87	
DS1385	Benchmarq	BQ3385	
DS1387	Benchmarq		
DS2009	Cypress	CY7C420	
	Exar	XRT7201	
	IDT	IDT7201	
	MicronTech	MT52C9005	
	Mosel	7201	
	SGS-Thomson	MK45H01	
		MK4501	
DS2010	Cypress	CY7C424	
	Exar	XRT7202	
	IDT	IDT7202	
	MicronTech	MT52C9010	
	Mosel	7202	
	SGS-Thomson	MK45H02	
DS2011	Cypress	CY7C428	
	Exar	XRT7203	
	IDT	IDT7203	
	MicronTech	MT52C9020	
	Mosel	7203	
	SGS-Thomson	MK45H03	
		MK4503	
DS2012	SGS-Thomson	MK45H04	
DS2175	Level One	LXP2175	
DS2176	Exar	XRT5691	
	Level One	LXP2176	
DS2180	Crystal	CS2180	
	Exar	XRT5690	
	Level One	LXP2180	
DS2181	Level One	LXP2175	
DS3695	LinearTech	LTC485	
DS6112	Cermetek	CH1816	
1218	Micro-C	1218	

Datel, Inc.

Manufacturer Device	Replacement Source	Device	IC Master Page
ADCEH10	GEC Plessey	ZN503	
ADCEH12B3	Burr-Brown	ADC803	
ADCEH8	GEC Plessey	ZN427	
ADCEK8	GEC Plessey	ZN427	
ADCEON	GEC Plessey	ZN427	
ADCET10	GEC Plessey	ZN501	
ADCET8	GEC Plessey	ZN427	
ADCE10	GEC Plessey	ZN501	
ADCE8	GEC Plessey	ZN427	
ADCG8	GEC Plessey	ZN427	
ADCHT	MicroNet	ADC80	
ADCHU3	GEC Plessey	ZN501	
ADCHX	MicroNet	ADC84	
		ADC85	
		ADC87	
ADCHX12	**Burr-Brown**	**ADC84**	**(3420)**
		ADC85	
	Harris	HI574	
		HI674	
ADCHZ	MicroNet	ADC84	
		ADC87	
ADCK10	GEC Plessey	ZN501	
ADCL10	GEC Plessey	ZN501	
ADCL12B2	Harris	HI574	
		HI674	
ADCL8	GEC Plessey	ZN427	
ADCMAI13B2	Harris	HI574	
ADCMA10	GEC Plessey	ZN501	
ADCMA12	Harris	HI574	
ADCMA12B2	Harris	HI674	
ADCMC8	GEC Plessey	ZN425	
ADCM10	GEC Plessey	ZN501	
ADCM12B2	Harris	HI674	
ADCM8	GEC Plessey	ZN427	
ADC208	GEC Plessey	SP973	
	MicroNet	MN5902	
♦ ADC300	Datel	ADC208	
	GEC Plessey	SP973	
ADC301	GEC Plessey	SP973	
ADC302	GEC Plessey	SP973	
ADC303	GEC Plessey	SP9750	
		SP97508	
ADC304	IDT	IDT75C48	
ADC501	GEC Plessey	ZN427	
♦ ADC508	Datel	ADC505	
ADC5101	MicroNet	MN5101A	
♦ ADC515	Datel	ADC500	
♦ ADC520	Datel	ADC505	
♦ ADC521	Datel	ADC505	
			(Continued)
ADC5210	MicroNet	MN5210	
ADC5211	MicroNet	MN5211	
	Sipex-HSD	HS5211	
ADC5212	MicroNet	MN5212	
	Sipex-HSD	HS5212	
ADC5213	MicroNet	MN5213	
	Sipex-HSD	HS5213	
ADC5214	MicroNet	AD5214	
ADC5215	MicroNet	MN5215	
	Sipex-HSD	HS5215	
ADC5216	MicroNet	MN5216	
	Sipex-HSD	HS5216	
ADC574	Harris	HI574	
	Sipex-HSD	HS574	
ADC574Z	MicroNet	MN574A	
ADC5825	MicroNet	MN5825	
ADC601	Burr-Brown	ADC601	
ADC674	Harris	HI674	
	Sipex-HSD	SP674	
♦ ADC810	Datel	ADC511	
	Burr-Brown	ADC803	
ADC811	Burr-Brown	ADC803	
ADC815	GEC Plessey	ZN427	
♦ ADC816	Datel	ADC511	
	GEC Plessey	ZN501	
ADC817	Burr-Brown	ADC803	
ADC825	GEC Plessey	ZN427	
♦ ADC826	Datel	ADC511	
	GEC Plessey	ZN501	
♦ ADC827	Datel	ADC817	
	Burr-Brown	ADC803	
ADC830	GEC Plessey	ZN439	
ADC833	GEC Plessey	ZN441	
ADC847	GEC Plessey	ZN447	
		ZN449	
ADC85	Sipex-HSD	HSADC85	
ADC856	GEC Plessey	ZN433	
ADC857	GEC Plessey	ZN449	
ADC87	Sipex-HSD	HSADC85	
ADC881	GEC Plessey	ZN447	
ADC885	MicroNet	ADC84	
		ADC85	
		ADC87	
♦ ADS105	Datel	ADS112	
♦ ADS106	Datel	ADS112	
♦ ADS115	Datel	ADS112	
♦ ADS116	Datel	ADS112	
♦ ADS125	Datel	ADS112	
♦ ADS126	Datel	ADS112	
ADS130	Sipex-HSD	SP9560	
♦ ADS21	Datel	ADS21	
♦ ADS22	Datel	ADS21	
AM227	Analogic	MP227	
AM450	Elantec	EHA2502	
		EHA2505	
	Harris	HA2502	
		HA2505	
AM452	Elantec	EHA2522	
		EHA2525	
	Harris	HA2522	
♦ AM453	Datel	AM450	
	Signetics	NE5534	
♦ AM460	Datel	AM450	
	Elantec	EHA2602	
		EHA2605	
♦ AM460	Harris	HA2602	
		HA2605	
AM462	Elantec	EHA2620	
		EHA2625	
	Harris	HA2620	
		HA2625	
AM7650	Harris	ICL7650	
DACuP8B	Signetics	NE5019	
DACHA12	Sipex-HSD	DAC331	
DACHA14	Sipex-HSD	HS3140	
DACHF10	Raytheon	DAC10	
DACHF12	Burr-Brown	DAC63	
		DAC812	
DACHF8	GEC Plessey	ZN426	
DACHI8	GEC Plessey	ZN426	
DACHK	MicroNet	DACHK	
DACHK12	Burr-Brown	DAC811	
DACHP16	Burr-Brown	DAC701	
		DAC703	
		DAC71	
		DAC72	
DACHR16	Harris	HIDAC16	
DACHY12	Burr-Brown	DAC80	
DACHZ	MicroNet	DAC80	
		DAC85	
		DAC87	
DACHZ12	Burr-Brown	DAC85	
		DAC87	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Datel, Inc. (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
DACIC8	GEC Plessey	ZN426	
	Raytheon	DAC08	
DACSL	Burr-Brown	DAC811	
DACUP10	Signetics	NE5020	
DACUP8	Signetics	NE5018	
		SE5019	
DAC08	GEC Plessey	ZN426	
	Motorola	DAC08	
♦ DAC330	Datel	DACHF10	
DAC562	Harris	HI562	
DAC608	GEC Plessey	ZN428	
		ZN558	
DAC612	Burr-Brown	DAC811	
DAC71	Burr-Brown	DAC700	
		DAC703	
		DAC71	
	MicroNet	DAC71	
		MN3290	
DAC72	Burr-Brown	DAC700	
		DAC703	
		DAC72	
	MicroNet	DAC71	
		MN3290	
DAC7523	Unitrode	PIC7523	
DAC7533	Unitrode	PIC7533	
DAC7541	Harris	AD7541	
DAC8308	GEC Plessey	ZN454	
DAC85	Sipex-HSD	SPDAC87	
DAC87	Sipex-HSD	SPDAC87	
DD7211	Hughes	H7211	
HDAS-8	MicroNet	MN7150-8	
HDAS16	Burr-Brown	SDM857	
	Sipex-HSD	HS9403	
HDAS8	Burr-Brown	SDM857	
	Sipex-HSD	HS9403	
MDAS16	Burr-Brown	SDM872	
MDAS8	Burr-Brown	SDM854	
		SDM856	
		SDM857	
		SDM873	
MN7150-16	MicroNet	MN7150-16	
MV808	Unitrode	PIC7503	
MXD409	Burr-Brown	HI509	
		MPC4	
MXD807	Burr-Brown	HI507	
		MPC8	
MX1606	Burr-Brown	MPC16	
MX1616	Burr-Brown	MPC800	
MX808	Burr-Brown	HI508	
		MPC8S	
MX818	Burr-Brown	MPC801	
SHM	Burr-Brown	SHC298	
		SHC803	**(3420)**
		SHC804	**(3420)**
		SHM60	
	Harris	HA2420	
		HA2425	
SHMIC1	Burr-Brown	SHC5320	
♦ SHMLM	Datel	SHMIC	
SHMLM2	Burr-Brown	SHC298	
SHM20	Burr-Brown	SHC5320	
	Harris	HA5320	
SHM360	Burr-Brown	SHC601	
SHM361	Burr-Brown	SHC601	
SHM4860	**Burr-Brown**	**SHC803**	**(3420)**
		SHC804	**(3420)**
	MicroNet	MN0300A	
	Sipex-HSD	HS9720	
SHM6	Burr-Brown	SHC5320	
		SHC803	**(3420)**
		SHC804	**(3420)**
SHM9	Burr-Brown	SHC5320	
		SHC85	**(3419)**
VFQ1C	Raytheon	RC4151	
VFQ2C	Raytheon	RC4152	
VFQ3C	Raytheon	RC4153	
VI7660	Harris	ICL7660	
VR182	GEC Plessey	ZN458	

Dense-Pac

Manufacturer Device	Replacement Source	Device	IC Master Page
DPE3232	IDT	IDT7M7004	
DPS1024	IDT	IDT7M624	
DPS10241	IDT	IDT7MC4001	
DPS1026	IDT	IDT7M624	
DPS1027	Cypress	CYM1621	
	IDT	IDT7M624	
DPS128M8	Inova	S128K8	
DPS16X17	Cypress	CYM1611	
	IDT	IDT7MC400	
DPS16X5	IDT	IDT7MP564	
DPS2516	IDT	IDT7M4016	
DPS257	IDT	IDT7M656	
DPS3232	IDT	IDT7M4003	
DPS40256	IDT	IDT8M856	
DPS41257	IDT	IDT8M856	
DPS41288	Inova	S128K8	
	IDT	IDT8M824	
DPS45128	IDT	IDT7MP4008	
DPS45129	IDT	IDT7M4016	
DPS4648	IDT	IDT7M812	
DPS512	IDT	IDT7M4048	
DPS512X8	Inova	S512K8	
DPS5124	IDT	IDT7M4034	
DPS6432	Cypress	CYM1830	
	IDT	IDT7M4017	
DPS6433	IDT	IDT7M4017	
		IDT7M4034	
DPS8M612	IDT	IDT8M612	
DPS8M624	Cypress	CYM1623	
	Inova	S64K16	
	IDT	IDT8M624	
DPS8M656	Cypress	CYM1610	
	IDT	IDT8M656	
DPS8645	IDT	IDT7MP456	
DPS8808	IDT	IDT7M864	
DPS92256	Inova	S32K8	
DPV27C1024	NEC	μPD27C1024	

Dionics

Manufacturer Device	Replacement Source	Device	IC Master Page
DI154	Allegro Micro	UDN6118	
DI300	Allegro Micro	UDN7180	
DI302	Allegro Micro	UDN7183	
DI507	Allegro Micro	UDN6116	
DI508	Allegro Micro	UDN6116	
DI509	Allegro Micro	UDN6116	
DI510	Allegro Micro	UDN6510	
DI512	Allegro Micro	UDN6514	
DI514	Allegro Micro	UDN6116	

EG&G Reticon

Manufacturer Device	Replacement Source	Device	IC Master Page
RF56009	Exar	XR1016	
RF5609	Exar	XR1015	
RF5651	Exar	XR1020	
RM5632A	Gould AMI	S35212A	
RU5621	Exar	XR1010	
RU5622	Exar	XR1010	
R5632	Gould AMI	S35212A	

Elantec

Manufacturer Device	Replacement Source	Device	IC Master Page
EHA2017	Cherry Semi	CS2017	
EHA2500	AD	OP42	
	Harris	HA2500	
	National	LM6161	
	Sipex-HSD	SP2500	
EHA2502	AD	OP42	
	Harris	HA2502	
	National	LM6161	
	Sipex-HSD	SP2502	
EHA2505	Harris	HA2505	
	National	LM6361	
	Sipex-HSD	SP2505	
EHA2510	AD	OP42	
	Harris	HA2510	
	National	LM6161	
	Sipex-HSD	SP2510	
EHA2512	AD	OP42	
	Harris	HA2512	
	National	LM6161	
	Sipex-HSD	SP2512	
EHA2515	AD	OP42	
	Harris	HA2515	
	National	LM6361	
	Sipex-HSD	EHA2515	
		SP2515	
EHA2520	AD	OP42	
		OP44	
	Harris	HA2520	
	National	LM6164	
	Sipex-HSD	SP2520	
EHA2522	AD	OP42	
		OP44	
	Harris	HA2522	
	National	LM6164	
	Sipex-HSD	SP2522	
EHA2525	AD	OP42	
		OP44	
	National	LM6364	
	Sipex-HSD	SP2525	
EHA2539	Harris	HA12539	
		HA2539	
	Sipex-HSD	SP2539	
EHA2540	Harris	HA2540	
EHA2600	Harris	HA2600	
	National	LM6161	
	Sipex-HSD	SP2600	
EHA2602	Harris	HA2602	
	National	LM6161	
	Sipex-HSD	SP2602	
EHA2605	Harris	HA2605	
	National	LM6361	
	Sipex-HSD	SP2605	
EHA2610	Sipex-HSD	SP2610	
EHA2612	Sipex-HSD	SP2612	
EHA2615	Sipex-HSD	SP2615	
EHA2620	Harris	HA2620	
	National	LM6164	
	Sipex-HSD	SP2620	
EHA2622	Harris	HA2622	
	National	LM6164	
	Sipex-HSD	SP2622	
EHA2625	Harris	HA2625	
	National	LM6364	
	Sipex-HSD	SP2625	
EHA5190	Harris	HA5190	
EHA5195	Harris	HA5195	
ELH0002	National	LH0002	
ELH0021	National	LH0021	
ELH0032	Harris	HA2542	
	National	LH0032	
ELH0033	Harris	HA5033	
	National	LH0033	
ELH0041	National	LH0041	
ELH0101	National	LH0101	
EL2003	Burr-Brown	OPA633	
	Harris	HA5002	
EL2005	Harris	HA5033	
EL2006	National	LM6161	
		LM6261	
EL2007	Burr-Brown	OPA541	
EL2018	Elantec	EL2018	
EL2020	**Harris**	**HA5004**	**(3508)**
	LinearTech	LT1223	
EL2028	LinearTech	LT1220	
EL2029	LinearTech	LT1221	
EL2030	LinearTech	LT1223	
EL2033	Harris	HA5002	
EL2038	LinearTech	LT1222	
EL2039	Harris	HA2539	
	LinearTech	LT1222	
EL2040	Harris	HA2540	
	LinearTech	LT1222	
EL2041	Harris	HA2541	
	LinearTech	LT1220	
EL2130	LinearTech	LT1223	
EL2190	AD	OP64	
	Harris	HA5190	
EL2195	AD	OP64	
	Harris	HA5195	
OPA621	Elantec	EL2074	
VA707	Elantec	EL2041	
VA708	Elantec	EL2030	

Electronic Designs Inc. (EDI)

Manufacturer Device	Replacement Source	Device	IC Master Page
EDH81H256	IDT	IDT7MC156	
		IDT7MP156	
EDH81H64	Inova	S64K16	
EDH816H16	Cypress	CYM1611	
	IDT	IDT7MC4005	
EDH816H64	Cypress	CYM1621	
EDH84H64	IDT	IDT7MP456	
EDH88H16	Dense-Pac	DPS88H16	
EDH8808	Harris	HM65642	
		HM8808	
	IDT	IDT7M864	
		IDT8M864	
EDH8832	Dense-Pac	DPS92256	
	Inova	S32K8	
	IDT	IDT7M856	
		IDT71256	
		IDT8M856	
EDI411024C100QB			
	TI	SMJ4C1024-10JDM	
EDI411024C120QB			
	TI	SMJ4C1024-12JDM	
EDI411024C150QB			
	TI	SMJ4C1024-15JDM	
EDI414096C100QB			
	TI	SMJ44100-10JDM	
EDI414096C120QB			
	TI	SMJ44100-12JDM	
EDI414096C80QB			
	TI	SMJ44100-80JDM	
EDI44256C100QB			
	TI	SMJ44C256-10JDM	
EDI44256C120QB			
	TI	SMJ44C256-12JDM	
EDI44256C150QB			
	TI	SMJ44C256-15JDM	
EDI8F1664	Inova	S64K16	
	IDT	IDT8M624	
EDI8F3264	IDT	IDT7MP4036	
EDI8F8257	IDT	IDT7MP4034	
EDI8F8258	IDT	IDT7MP4034	
EDI8M16256	Inova	S256K16	
	IDT	IDT7M4016	
EDI8M16257	IDT	IDT7MB4066	
EDI8M1664	Dense-Pac	DPS8M624	
	Inova	S64K16	
	IDT	IDT7M624	
		IDT8M624	
EDI8M32256	IDT	IDT7MP4045	
		IDT7M4067	
EDI8M3264	IDT	IDT7M4017	
EDI8M4257	IDT	IDT7M4042	
EDI8M427	Inova	S256K4	
EDI8M8128	Dense-Pac	DPS41288	
	Inova	S128K8	
	IDT	IDT8MP824	
		IDT8M824	
EDI8M8130	IDT	IDT8M824	
EDI8M8257	IDT	IDT7M4068	
EDI8M8512	Dense-Pac	DPS512S8	
	IDT	IDT7M4048	
EDI8M864	IDT	IDT7M812	
EDI811024	Inova	S1M1	
EDI81256	Paradigm	PDM41257	
EDI816H16	Dense-Pac	DPS16X17	
EDI816H64	Dense-Pac	DPS1026	
EDI8164	IDT	IDT7187	
EDI8416	IDT	IDT7188	
EDI8417	IDT	IDT6198	
EDI84256	Inova	S256K4	
EDI8465	IDT	IDT71B258	
	Paradigm	PDM41258	
EDI88H04	Dense-Pac	DPS88H04	
EDI8808	Dense-Pac	DPS9264	
	IDT	IDT7164	
EDI88128	Inova	S128K8	
EDI88130	Dense-Pac	DPS128M8	
	Inova	S128K8	
EDI8816	Harris	HM8816	
EDI8832	Harris	HM8832	
	Inova	S32K8	
	IDT	IDT71256	
EDI8833	IDT	IDT71256	
	Paradigm	PDM41256	
EDI8908	IDT	IDT7169	
ED8F32256	Cypress	CYM1841	
ED8F3264	Cypress	CYM1831	
ED8F8512	Cypress	CYM1465	
ED8M16256	Cypress	CYM1641	
ED8M32256	Cypress	CYM1840	
ED8M3264	Cypress	CYM1830	
ED8M8128	Cypress	CYM1420	
		CYM1421	
ED8M8512	Cypress	CYM1466	
ED816H16	Cypress	CYM1611	
ED8464	Cypress	CYM7C194	

Ericsson

Manufacturer Device	Replacement Source	Device	IC Master Page
PBD3517	Allegro Micro	UCN5804	
PBD352301	Allegro Micro	ULN2001	
PBD352302	Allegro Micro	ULN2004	
PBD352303	Allegro Micro	ULN2003	
PBD352304	Allegro Micro	ULN2002	
PBD352311	Allegro Micro	ULN2021	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Ericsson (Cont'd)			
PBD352312	Allegro		
	Micro	ULN2024	
PBD352313	Allegro		
	Micro	ULN2023	
PBD352314	Allegro		
	Micro	ULN2022	
PBD3535	Samsung	KA2413	
PBD353801	Allegro		
	Micro	ULN2801	
PBD353802	Allegro		
	Micro	ULN2804	
PBD353803	Allegro		
	Micro	ULN2803	
PBD353804	Allegro		
	Micro	ULN2802	
PBL3716	Samsung	KA8503	
PBL3717	Allegro		
	Micro	UDN2953	
	Unitrode	UC3717	
PBL3717A	Cherry Semi	CS3717	
PBL3726	Samsung	KA2412	
		KA8503	
PBL3736	GEC Plessey	SL7950	
		SL7953	
PBL3770	Allegro		
	Micro	UDN2953	
	Cherry Semi	CS3770	
	Unitrode	PBL3770	
PBL3781	Samsung	KA2425	
PCD3315	Samsung	KS5822	
		KS58500	
RL3525	Unitrode	UC3525	
Exar			
REF01	Raytheon	REF01	
REF02	Raytheon	REF-02	
RPT86	AD	RPT86	
XP1042	GEC Plessey	TAB1042	
XRC240	AD	RPT86	
		RPT87	
XRC262	AD	RPT86	
		RPT87	
XRC277	AD	RPT82	
		RPT83	
XRC445	AD	RPT85	
XRC587	AD	RPT86	
		RPT87	
XRC588	AD	RPT86	
		RPT87	
XRL555	Holt	HI7555	
XRL567	Samsung	LM567	
	Signetics	NE567	
XRT56L22	AD	RPT86	
		RPT87	
XRT5600	AD	RPT86	
		RPT87	
XRT5620	AD	RPT87	
XRT5650	AD	LIU01	
XRT5681	AD	LIU01	
XRT5683	AD	LIU01	
XRT5700	AD	RPT86	
		RPT87	
XRT5720	AD	RPT86	
		RPT87	
XR082	AD	OP215	
	Fujitsu	MB47082	
		MB47082P	
		MB47082PF	
	Motorola	MC10319	
XR084	Motorola	TL084	
	National	LF147	
		LF347	
XR1001	National	MF4C	
XR1002	National	MF4C	
XR117	MicroLinear	ML117	
XR13600	Harris	CA3280	
	Signetics	NE5517	
XR1458	**AD**	**OP14**	**(3343)**
	National	LM1458	
XR146	National	LF146	
XR1488	Signetics	MC1488	
XR1489	Signetics	MC1489	
XR1524	Harris	CA1524	
	Unitrode	UC1524	
XR1525	Unitrode	UC1525	
XR1543	Unitrode	UC1543	
XR2001	Allegro		
	Micro	ULN2001	
		ULQ2001	

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Manufacturer Device	Replacement Source	Device	IC Master Page
XR2002	Allegro		
	Micro	ULN2002	
		ULQ2002	
XR2003	Allegro		
	Micro	ULN2003	
		ULQ2003	
XR2004	Allegro		
	Micro	ULN2004	
		ULQ2004	
XR2011	Allegro		
	Micro	ULN2011	
XR2012	Allegro		
	Micro	ULN2012	
XR2013	Allegro		
	Micro	ULN2013	
XR2014	Allegro		
	Micro	ULN2014	
XR2126	Gould AMI	S35212A	
XR2127	Gould AMI	S35212A	
XR2201	Allegro		
	Micro	ULN2001	
XR2202	Allegro		
	Micro	ULN2002	
XR2203	Allegro		
	Micro	ULN2003	
XR2204	Allegro		
	Micro	ULN2004	
XR2205	Allegro		
	Micro	ULN2005	
XR2207	Raytheon	RM2207	
XR2211	Raytheon	RM2211	
XR2242	Harris	ICM7242	
XR246	National	LF246	
XR2524	Harris	CA2524	
	Signetics	SG3524	
	Unitrode	UC2524	
XR2525	Unitrode	UC2525	
XR2527	Unitrode	UC2527	
XR2543	Unitrode	UC2543	
XR3403	AD	OP421	
	Harris	**CA5470**	**(3508)**
XR346	National	LF346	
XR3470	Motorola	MC3470	
XR3524	Harris	CA3524	
	Signetics	SG3524	
	Unitrode	UC3524	
XR3525	Unitrode	UC3525	
XR3527	Unitrode	UC3527	
XR3543	Unitrode	UC3543	
XR4136	AD	OP09	
XR4151	Raytheon	RC4151	
		RC4152	
XR4194	Raytheon	RC4194	
XR4195	Raytheon	RC4195	
XR4202	AD	OP421	
XR4212	AD	OP421	
XR4558	**AD**	**OP14**	**(3343)**
	Signetics	NE4558	
XR4560	AD	OP271	
XR4739	AD	OP270	
	Harris	HA5102	
XR4741	AD	OP11	
	Harris	HA4741	
XR501	Hitachi	HA166008FP	
XR505-2	Hitachi	HA166024FP	
XR505-4	Hitachi	HA166025FP	
XR505R-2	Hitachi	HA166044FP	
XR505R-4	Hitachi	HA166045FP	
XR511	Hitachi	HA166008FP	
XR5532	AD	OP270	
		SSM2139	**(3337, 3343, 3354)**
	Harris	HA5102	
	Signetics	NE5532	
XR5533	AD	OP215	
		OP270	
		SSM2139	**(3337, 3343, 3354)**
	Signetics	NE5533	
XR5534	AD	OP37	
		SSM2134	**(3354)**
	Harris	HA5101	
	Signetics	NE5534	
		SE5534	
XR555	Signetics	NE555	
XR558	Signetics	NE558	
		SE558	
XR5600	STC	TEL5221	
XR5620	STC	TEL5221	
XR567	Samsung	LM567	
	Signetics	NE567	
XR5681	STC	TEL5520	
XR5683	STC	TEL5520	

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Manufacturer Device	Replacement Source	Device	IC Master Page
XR6116	Allegro		
	Micro	UDQ6116	
XR6118	Allegro		
	Micro	UDN6118	
	Samsung	KA2651	
	Signetics	NE594	
XR6128	Allegro		
	Micro	UDN6128	
XR68C681	**Signetics**	**SCC68692**	**(3675)**
		SCN68681	
XR8038	Harris	ICL8038	
XR8464	Krueger	8464	
XR88C681	**Signetics**	**SCC2692**	**(3676)**
		SCN2681	
XR88C684	**Signetics**	**SC26C94**	**(3674)**
		SC68C94	**(3674)**
X5683	GEC Plessey	ZN5683	
EXEL Microelectronics			
XLI93C46	ICT	93C46	
XLI93C46P	ICT	93C46API	
		93C46PI	
XLS2864	NEC	μPD28C64	
XLS93C46	ICT	93C46	
XLS93C46P	ICT	93C46AP	
		93C46P	
XL28C64	NEC	μPD28C64	
XL2816	Catalyst		
	Semi	CAT28C16	
	Samsung	KM28C16	
XL2817	Samsung	KM28C17	
XL2864	Catalyst		
	Semi	CAT28C64	
	Samsung	KM28C64	
XL2864A	Fujitsu	MBM28C64	
XL2865	Samsung	KM28C65	
XL2865A	Fujitsu	MBM28C65	
XL93C06	Samsung	KM93C06	
XL93C46	OKI	MSM16811	
	Samsung	KM93C46	
XL93C56	ICT	93C56A	
XL93C66	ICT	93C66A	
2804	SEEQ	2804	
2816	SEEQ	2816	
2864	SEEQ	2864	
2865	SEEQ	28C65	
46C16	Waferscale	WS57C291	
Fujitsu			
BM81C67	SGS-Thomson		
		IMS1403	
FMM100	GEC Plessey	SP8610	
		SP8611	
		SP8712	
		SP8804	
		SP8814	
		SP8824	
		SP8835	
HM10470	Micro-C	10470	
MBH28C64	Samsung	KM28C64	
MBH38	Waferscale	WS57C191	
		WS57C291	
MBL80C31	Siemens	SAB80C31	
MBL80C49	Micro-C	80C49	
MBL80C51	Siemens	SAB80C51	
MBL80186	AMD	A80186	
		R80186	
	Siemens	SAB80186	
MBL80188	AMD	R80188	
	Siemens	SAB80188	
MBL80286	AMD	R80286-8	
	Krueger	**80286**	**(3548)**
	Siemens	SAB80286	
MBL8031	Krueger	8031	
	Siemens	SAB8031	
MBL8039	Krueger	8039	
MBL8051	Siemens	SAB8051	
MBL8086	**Krueger**	**8086**	**(3548)**
	Micro-C	8086	
	Siemens	SAB8086	
MBL8088	AMD	P8088	
	Krueger	8088	
	Micro-C	8088	
	Siemens	SAB8088	
MBL82284	Intel	SAB82284	
	Siemens	SAB82284	
MBL82288	Siemens	SAB82288	
MBL8259	Micro-C	8259	
	Siemens	SAB8259	
MBL8259A	Krueger	8259	
MBL8282	Siemens	SAB8282	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MBL8283	Siemens	SAB8283	
MBL8284	Micro-C	8284	
	Siemens	SAB8284	
MBL8286	Siemens	SAB8286	
MBL8287	Siemens	SAB8287	
MBL8288	Siemens	SAB8288	
MBL8289	Siemens	SAB8289	
MBM10A484	IDT	IDT10A484	
MBM10C494	Cypress	CY10E494	
	IDT	IDT10494	
	Synergy	SY10L494	
MBM10C500	NEC	μPD10500	
MBM100C490			
	IDT	IDT100490	
MBM100C494			
	Cypress	CY100E494	
	IDT	IDT100494	
	Synergy	SY100L494	
MBM100C500			
	NEC	μPD100500	
MBM100C504			
	IDT	IDT100504	
MBM100422	Cypress	CY100E422	
	Micro-C	100422	
	NEC	μPB100422	
	Synergy	SY100L422	
MBM100470	Cypress	CY100E470	
	NEC	μPB100470	
MBM100474	Cypress	CY100E474	
	NEC	μPB100474	
	Synergy	SY100L474	
		SY100474	
MBM100480	NEC	μPB100480	
	Synergy	SY100480	
MBM100484	Cypress	CY100E484	
	IDT	IDT100484	
	NEC	μPB100484	
	Synergy	SY100L484	
MBM100486	IDT	IDT100496	
MBM100490	IDT	IDT100490	
MBM101A484			
	Cypress	CY101E484	
	IDT	IDT101A484	
MBM101C500			
	Silicon Conn	SC5100	
MBM101C504			
	Silicon Conn	SC5104	
MBM101474	Synergy	SY101474	
MBM101484	Synergy	SY101484	
MBM101494	Cypress	CY101E484	
		CY101E494	
	IDT	IDT101494	
	Synergy	SY101L494	
MBM10415	Micro-C	10415	
MBM10422	Cypress	CY10E422	
	NEC	μPB10422	
	Synergy	SY10L422	
		SY100422	
		SY10422	
MBM10470	Cypress	CY10E470	
	Micro-C	10470	
	NEC	μPB10470	
MBM10474	Cypress	CY10E474	
	NEC	μPB10474	
	Synergy	SY10L474	
		SY10474	
MBM10480	Micro-C	10480	
	Synergy	SY10480	
MBM10484	Cypress	CY10E484	
	IDT	IDT10A484	
		IDT10484	
	NEC	μPB10484	
	Synergy	SY10L484	
		SY10484	
MBM10486	IDT	IDT10496	
MBM10490	IDT	IDT10490	
MBM10494	Cypress	CY10E494	
	IDT	IDT10494	
	Synergy	SY10L494	
MBM2147	AMD	AM2147	
	Cypress	CY2147	
	Krueger	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
MBM2148	AMD	AM21L48	
	Cypress	CY21L48	
MBM2149	AMD	AM21L49	
		AM2149	
	Cypress	CY21L49	
		CY2149	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Fujitsu			**(Cont'd)**
MBM27C1000			
	NEC	μPD27C1000	
	Toshiba	TC571001	
MBM27C1001			
	Krueger	27C010	
	NEC	μPD27C1001	
	OKI	MSM271000	
	Toshiba	TC571000	
MBM27C1024			
	Krueger	27C210	
	NEC	μPD27C1024	
	OKI	MSM27C1024	
		MSM271024	
	Toshiba	TC57102	
MBM27C128	Krueger	27C128-200	
		27C128-250	
MBM27C256	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	Micro-C	27C256	
	OKI	MSM27C256	
	SEEQ	27C256	
	Waferscale	WS27C256	
MBM27C256A			
	Toshiba	TC57256	
MBM27C4000			
	Toshiba	TC574000	
MBM27C4001			
	Toshiba	TC574000	
MBM27C4096			
	Toshiba	TC574200	
MBM27C512	Cypress	CY7C286	
	Krueger	27C512-150	
		27C512-200	
		27C512-250	
	Toshiba	TC27512	
	Waferscale	WS27C512	
MBM27C64	Cypress	CY7C266	
	Krueger	27C64-200	
		27C64-250	
		27C64-300	
	Micro-C	27C64	
MBM27128	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
	Micro-C	27128	
	OKI	MSM27128	
	SEEQ	27128	
MBM2716	Micro-C	2716	
MBM27256	Cypress	CY7C274	
	Krueger	**27256-200**	**(3548)**
		27256-250	**(3548)**
		27256-300	**(3548)**
	Micro-C	27256	
	OKI	MSM27256	
MBM27512	OKI	MSM27512	
MBM2764	Cypress	CY7C266	
	Krueger	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
	Micro-C	2764	
	OKI	MSM2764	
	SEEQ	2764	
MBM28C256	Samsung	KM28C256	
MBM28C64	EXEL	XL28C64	
	NEC	μPD28C64	
	OKI	MSM28C64	
MBM81C68	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
MBM8147	**Krueger**	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
MBM8167	Cypress	CY7C167	
MBM8168	Cypress	CY7C168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
MBM8414	AMD	AM91L14	
MB1502	GEC Plessey	SP8853	
		SP8861	
MB2147	Performance	P4C147	
MB2149	Performance	P4C149	
MB3609	Unitrode	PIC7504	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MB3759	Allegro		
	Micro	TL594	
	Motorola	TL494	
	Unitrode	UC494	
MB3760	Allegro		
	Micro	TL595	
MB4001	Samsung	KA710	
MB4053	TI	TL507	
MB40576	Samsung	KAD0206	
	TI	TL5501	
MB40578	TI	TLC5502	
MB40776	TI	TL5601	
MB40778	TI	TLC5602	
MB4256	Performance	P4C1256	
MB501	GEC Plessey	SP8704	
		SP8705	
MB50104	GEC Plessey	SP8808	
		SP8818	
		SP8828	
		SP8838	
MB50106	GEC Plessey	SP8808	
		SP8818	
		SP8828	
		SP8838	
MB502A	Signetics	NE502A	
MB503	GEC Plessey	SP8795	
MB504	GEC Plessey	SP8718	
MB61461	NEC	μPD41264	
MB7112	AMD	AM27S19	
MB7114	AMD	AM27S21	
MB7116	AMD	AM27S13	
MB7118	AMD	63S281	
♦ MB7121	Lansdale	HL7642	
♦ MB7122	Lansdale	HL7643	
	AMD	AM27S33	
♦ MB7123	Lansdale	HL7649	
MB7124	AMD	AM27S29	
♦ MB7128	Lansdale	HL7685	
	AMD	AM27S185	
♦ MB7132	Lansdale	HL7681	
	AMD	AM27S181	
		AM27S281	
♦ MB7132	Cypress	CY7C281	
		CY7C282	
♦ MB7134	Lansdale	HL76165	
♦ MB7138	Lansdale	HL76161	
	AMD	AM27S191	
		AM27S291	
♦ MB7138	Cypress	CY7C291	
		CY7C292	
MB7138H	Signetics	N82S191A	
♦ MB7142	Lansdale	HL76321	
	AMD	AM27S43	
	ICT	27CX321	
	Waferscale	WS57C43	
MB7142H1	ICT	27CX321C-45	
MB7143	NEC	μPD27HC65	
	Waferscale	WS57C43	
♦ MB7144	Lansdale	HL76641	
	AMD	AM27S49	
	Cypress	CY7C264	
	ICT	27CX641	
	NEC	μPD27HC65	
	Waferscale	WS57C43	
MB7144E-W	Signetics	82HS641	
MB7144H	ICT	27CX641C-40	
MB7144Y	ICT	27CX641C-45	
MB7152	AMD	AM27S41	
MB7226	AMD	AM27S25	
	Cypress	CY7C225	
MB7232	Cypress	CY7C235	
MB7238	Cypress	CY7C245	
MB8C178A	Toshiba	TC5588	
MB81C1000	GoldStar	GM71C1000	
	Krueger	511000-100	
		511000-70	
		511000-80	
	Micro-C	511000	
	MicronTech	MT4C1024	
	Motorola	MCM511000	
	NEC	μPD421000	
	OKI	MSM511000	
	Panasonic	MN41C1000	
	Samsung	KM41C1000	
	Toshiba	TC511000	
		TC511000B	
MB81C1001	MicronTech	MT4C1025	
	Motorola	MCM511001	
	NEC	μPD421001	
	OKI	MSM511001	
	Samsung	KM41C1001	
	Toshiba	TC511001	
		TC511001B	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MB81C1002	MicronTech	MT4C1026	
	NEC	μPD421002	
	OKI	MSM511002	
	Panasonic	MN41C1002	
	Samsung	KM41C1002	
	Toshiba	TC511002	
MB81C1003	Motorola	MCM511002	
MB81C1259	MicronTech	MT1259	
MB81C256	GoldStar	GM71C256	
MB81C4067	MicronTech	MT4067	
MB81C4251	NEC	μPD42273	
MB81C4253	NEC	μPD42274	
MB81C4256	GoldStar	GM71C4256	
		GM71C7256	
	Krueger	514256-100	
		514256-70	
		514256-80	
	Micro-C	414256	
	MicronTech	MT4C4256	
	Motorola	MCM514256	
	NEC	μPD424256	
	OKI	MSM514256	
	Panasonic	MN41C4256	
	Samsung	KM44C256	
	Toshiba	TC514256	
		TC514256B	
	Vitelic	V53C104	
MB81C4257	Micro-C	414257	
	MicronTech	MT4C4258	
	Panasonic	MN41C4258	
MB81C4258	Motorola	MCM514258	
	OKI	MSM514258	
	Samsung	KM44C258	
	Toshiba	TC514258	
		TC514258B	
MB81C466	Vitelic	V53C466	
MB81C67	Cypress	CY7C167	
	IDT	IDT6167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	LogicDev	L7C167	
	Micro-C	S16KX1	
	MicronTech	MT5C1601	
	SGS-Thomson		
		MK41H67	
MB81C68	Cypress	CY7C168	
	IDT	IDT6168	
	LogicDev	L7C168	
	Micro-C	S4KX4	
	MicronTech	MT5C1604	
	Motorola	MCM6268	
	SGS-Thomson		
		IMS1423	
		MK41H68	
MB81C69	LogicDev	L7C168	
	MicronTech	MT5C1604	
	Motorola	MCM6269	
	Performance	P4C169	
MB81C71	Cypress	CY7C187	
	IDT	IDT7187	
	LogicDev	L7C187	
	Micro-C	S64KX1	
	MicronTech	MT5C1608	
		MT5C6401	
	NEC	μPD4361	
	SGS-Thomson		
		IMS1600	
	Sony	CXK5164	
	Toshiba	TC5561	
		TC5562	
MB81C71A	Krueger	6287-35	
		6287-45	
		6287-55	
MB81C74	Cypress	CY7C164	
	IDT	IDT7188	
	Krueger	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	LogicDev	L7C164	
	MicronTech	MT5C6404	
	Motorola	MCM6288	
	NEC	μPD4362	
	Performance	P4C188	
	Samsung	KM6465	
	SGS-Thomson		
		IMS1620	
	Sony	CXK5464	
	Toshiba	TC55416	
MB81C75	Cypress	CY7C166	
	IDT	IDT7198	
	Krueger	6289-25	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MB81C75	Krueger		(Cont'd)
		6289-35	
		6289-45	
	LogicDev	L7C165	
	Micro-C	S16KX4PSC	
	MicronTech	MT5C6405	
	Motorola	MCM6290	
	Performance	P4C198	
	Samsung	KM6466	
	SGS-Thomson		
		IMS1624	
	Sony	CXK5465	
	Toshiba	TC55417	
MB81C78	Cypress	CY7C186	
	IDT	IDT7164	
	Krueger	6264-025	
		6264-035	
		6264-045	
	LogicDev	L7C185	
	Micro-C	S8KX8	
	MicronTech	MT5C6408	
	Performance	P4C164	
	SGS-Thomson		
		MK48H64	
	Sony	CXK5863	
	Vitelic	V63C64	
MB81C78A-35			
	Krueger	6264LP-035	
MB81C78A-45			
	Krueger	6264LP-045	
MB81C79	Micro-C	S8KX8	
	Sony	CXK5971	
	Toshiba	TC5589	
MB81C81	Cypress	CY7C197	
	LogicDev	L7C197	
	MicronTech	MT5C2561	
	Performance	P4C1257	
	Samsung	KM61257	
MB81C8128	Krueger	658128-100	
MB81C84	Cypress	CY7C194	
	LogicDev	L7C194	
	Micro-C	S64KX4	
	MicronTech	MT5C2564	
	Performance	P4C1258	
	Samsung	KM64257	
MB81C84A	Toshiba	TC55464	
MB81C86	Cypress	CY7C192	
	LogicDev	L7C192	
	Samsung	KM64259	
	Sony	CXK54256	
MB811000	Panasonic	MN411000	
MB8114	**Krueger**	**2114-200**	**(3548)**
MB811414	**Krueger**	**2114-150**	**(3548)**
		2114-450	**(3548)**
MB8116	Krueger	4116-120	
		4116-150	
		4116-200	
MB8116100	MicronTech	MT4C10016	
MB8116400	MicronTech	MT4C40004	
MB81256	GoldStar	GM71256	
	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	Micro-C	41256	
	NEC	μPD41256	
	OKI	MSM41256	
	Panasonic	MN41256	
	Samsung	KM41C256	
	Siemens	HYB41256	
	Vitelic	V53C256	
MB81257	Micro-C	41257	
	OKI	MSM41257	
	Panasonic	MN41257	
	Samsung	KM41C257	
	Siemens	HYB41257	
MB81258	Samsung	KM41C258	
	Vitelic	V53C258	
MB8128	AMD	AM9122	
	Cypress	CY7C128	
	Krueger	**2128-100**	**(3548)**
		2128-120	**(3548)**
	Micro-C	S2KX8	
	Performance	P4C116	
MB814100	MicronTech	MT4C1004	
	Motorola	MCM514100	
	NEC	μPD424100	
	Samsung	KM41C4000	
	Toshiba	TC514100	
MB814101	MicronTech	MT4C1005	
	Samsung	KM41C4001	
MB814102	Samsung	KM41C4002	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Fujitsu			**(Cont'd)**
MB81416	Krueger	41416-100	
		41416-120	
		41416-150	
MB814202	MicronTech	MT4C1006	
MB814400	MicronTech	MT4C1001	
	Motorola	MCM514400	
	NEC	μPD424400	
	Samsung	KM44C1000	
	Toshiba	TC514400	
MB814402	MicronTech	MT4C4003	
	Samsung	KM44C1002	
MB81461	GoldStar	GM53C261	
		GM53C461	
	Krueger	4461-100	
		4461-120	
		4461-150	
	Panasonic	MN47464	
	Vitelic	V53C261	
MB81464	GoldStar	GM71C464	
	Krueger	41464-100	
		41464-120	
		41464-150	
	Micro-C	41464	
	NEC	μPD41464	
	OKI	MSM41464	
	Panasonic	MN41464	
	Samsung	KM41C464	
	Vitelic	V53C464	
MB81466	Samsung	KM41C466	
MB8147	Micro-C	8147	
MB8167	AMD	AM2167	
	Harris	HM65262	
	Micro-C	S16KX1	
MB8167A	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
MB8168	AMD	AM2168	
	Micro-C	S4KX4	
	Performance	P4C168	
MB8171	Cypress	CY7C187	
	Performance	P4C187	
MB8184	NEC	μPD43254	
MB82B001	NEC	μPD431001	
MB82B005	NEC	μPD431004	
MB82B74	Samsung	KM64B65	
MB82B75	Samsung	KM64B66	
	Toshiba	TC55B417	
MB82B79	Motorola	MCM6265	
MB82B81	NEC	μPD46251	
MB82C84	Vitelic	V63C70	
MB82006	Samsung	KM641001	
MB8216	Krueger	4116-120	
		4116-150	
		4116-200	
MB8264	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
	Siemens	HYB4164	
MB8287	Cypress	CY7C199	
	MicronTech	MT5C2568	
	Samsung	KM68257	
	Sony	CXK58255	
	Toshiba	TC55328	
MB8289	Motorola	MCM6205	
		MCM6206	
	Toshiba	TC55329	
MB831000	GoldStar	GM231000	
	Hitachi	TC531000	
	NEC	μPD23C1000	
	OKI	MSM531000	
	Panasonic	MN231001	
MB831124	NEC	μPD23C1000	
	Samsung	KM23C1000	
MB832000	Samsung	KM23C2000	
MB832001	Samsung	KM23C2000	
MB83256	OKI	MSM53256	
	Panasonic	MN23257	
MB834000	OKI	MSM534001	
	Panasonic	MN234001	
	Toshiba	TC534000	
MB834100	OKI	MSM534000	
	Samsung	KM23C4000	
	Toshiba	TC534200	
MB834200	OKI	MSM534002	
	Panasonic	MN234000	
MB8364	Panasonic	MN2364	
MB83800	Samsung	KM23C8000	
MB8401	Harris	HM6508	
MB8404	Harris	HM6504	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MB841000	Samsung	KM681000	
	Toshiba	TC551001	
MB8414	Harris	HM6514	
	Krueger	21C14-150	
		21C14-200	
		21C14-450	
MB8416	GoldStar	GM76C28	
	Harris	HM65162	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	LogicDev	L6116	
	Mosel	MS6516	
	Panasonic	MN4416	
	UMC	UM6116	
MB8421	Micro-C	8421	
MB84256	Catalyst		
	Semi	CAT71C256	
	GoldStar	GM76C256	
	Inova	S32K8	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	LogicDev	L7C199	
	Micro-C	S32KX8	
	Mosel	MS62256	
	NEC	μPD43256	
	OKI	MSM51257	
	Panasonic	MN44256	
	Samsung	KM62256	
	Sony	CXK58257	
	Toshiba	TC55257	
	UMC	UM62256	
MB8454	GoldStar	GM76C88	
MB8464	Cypress	CY7C185	
	GoldStar	GM76C88	
	Harris	HM65642	
		HM8808	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	LogicDev	L7C185	
	Micro-C	S8KX8	
	Mosel	MS6264	
	OKI	MSM5165	
	Panasonic	MN4464	
	Performance	P4C164	
	Samsung	KM6264	
	Sony	CXK5864	
	Toshiba	TC55257	
		TC5563	
		TC5565	
	UMC	UM6264	
MB8464A-L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
MB8464A-70L			
	Krueger	6264LP-070	
MB8516	Micro-C	8516	
MB85214	Vitelic	V256J8	
MB85225	NEC	MC41256A8	
MB85227	NEC	MC41256A9	
MB85230	Motorola	MCM81000	
	NEC	MC421000A8	
	Toshiba	THM81000	
	Vitelic	V100AJ8	
MB85231	Motorola	MCM81001	
	NEC	MC421000B8	
MB85235	Motorola	MCM91000	
	NEC	MC421000A9	
	Toshiba	THM91000	
	Vitelic	V100AJ9	
MB85236	Toshiba	THM362500	
MB85237	Motorola	MCM91002	
MB85240	Motorola	MCM94256	
	Toshiba	THM92500	
MB85254	Toshiba	THM405120	
MB85277	Vitelic	V256J9	
MB8532	Micro-C	8532	
MB85327	NEC	MC421000C9	
MB86950	Signetics	NE86950	
MB8795	Micro-C	8795	
MB8876	Siemens	SAB1791	
	SMC	FDC1791	
		FDC9791	
MB8877	Allegro		
	Micro	FDC9793	
	Siemens	SAB1793	
	SMC	FDC1793	
M87132	Signetics	N82S181	
NE8392	Crystal	CS83C92	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TC17G032	Micro-C	17G032	
100422	Krueger	100422	
100474	Krueger	100474	
10415	Krueger	10415	
10470	Micro-C	10470	
10474	Krueger	10474	
27C512	Micro-C	27C512	
7111E	Signetics	N82S23	
7111H	Signetics	N82S23A	
7112E	Signetics	N82S123	
7112H	Signetics	N82S123A	
7112Y	Signetics	N82US123A	
7113	Signetics	N82S126	
7114	Signetics	N82S129	
7115E	Signetics	N82S130	
7115H	Signetics	N82S130A	
7116E	Signetics	N82S131	
7116H	Signetics	N82S131A	
7118E	Signetics	N82S135	
7122E	Signetics	82S137	
7122H	Signetics	82S137A	
7122Y	Signetics	82S137B	
7124E	Signetics	N82S147A	
7124H	Signetics	N82S147B	
7128E	Signetics	82S185	
7128H	Signetics	82S185A	
7128Y	Signetics	87S185B	
7132E	Signetics	82S181	
7132E-SK	Signetics	82S181N3	
7132H	Signetics	82S181A	
7132H-SK	Signetics	82S181AN3	
7132Y-SK	Signetics	82S181CN3	
7142H	Signetics	82HS321	
7152E	Signetics	82HS195	
7152H	Signetics	82HS195A	
7152Y	Signetics	82HS195B	
7232RA-20	Signetics	82HS187A	
7232RA-25	Signetics	82HS187	
7232RS-20	Signetics	82HS187A	
7232RS-25	Signetics	82HS187	
81C1000	Micro-C	511000	
81C1001	Micro-C	511001	
81256	Micro-C	41256	

GEC Plessey Semiconductors

MV3506	Gould AMI	S3506	
MV3507	Gould AMI	S3507	
MV74HCT137	GEC Plessey	74HCT137	
	Harris	CD74HCT137	
	SGS-Thomson		
		M74HCT137	
	Signetics	74HCT137	
	TI	SN74HCT137	
	Toshiba	TC74HCT137	
MV74HCT138	GEC Plessey	74HCT138	
	Harris	CD74HCT138	
	Hitachi	HD74HCT138	
	Mitsubishi	M74HCT138-1	
	Motorola	MC74HCT138A	
	National	MM74HCT138	
	SGS-Thomson		
		M74HCT138	
	Signetics	74HCT138	
	TI	SN74HCT138	
	Toshiba	TC74HCT138A	
MV74HCT139	GEC Plessey	74HCT139	
	Harris	CD74HCT139	
	Mitsubishi	M74HCT139-1	
	National	MM74HCT139	
	Signetics	74HCT139	
	TI	SN74HCT139	
	Toshiba	TC74HCT139A	
MV74HCT237	GEC Plessey	74HCT237	
	Harris	CD74HCT237	
	Signetics	74HCT237	
	TI	SN74HCT237	
MV74HCT238	GEC Plessey	74HCT238	
	Harris	CD74HCT238	
	Hitachi	HD74HCT238	
	Signetics	74HCT238	
	TI	SN74HCT238	
MV74HCT240	GEC Plessey	74HCT240	
	Harris	CD74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240	
		M74HCT240-1	
	Motorola	MC74HCT240A	
	National	MM74HCT240	
	SGS-Thomson		
		M74HCT240	
	Signetics	74HCT240	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MV74HCT240			(Cont'd)
	TI	SN74HCT240	
	Toshiba	TC74HCT240A	
MV74HCT241	GEC Plessey	74HCT241	
	Harris	CD74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241	
		M74HCT241-1	
	Motorola	MC74HCT241A	
	National	MM74HCT241	
	SGS-Thomson		
		M74HCT241	
	Signetics	74HCT241	
	TI	SN74HCT241	
	Toshiba	TC74HCT241A	
MV74HCT244	GEC Plessey	74HCT244	
	Harris	CD74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244	
		M74HCT244-1	
	Motorola	MC74HCT244A	
	National	MM74HCT244	
	SGS-Thomson		
		M74HCT244	
	Signetics	74HCT244	
	TI	SN74HCT244	
	Toshiba	TC74HCT244A	
MV74HCT245	GEC Plessey	74HCT245	
	Harris	CD74HCT245	
	Hitachi	HD74HCT245	
	Mitsubishi	M74HCT245-1	
	Motorola	MC74HCT245A	
	National	MM74HCT245	
	SGS-Thomson		
		M74HCT245	
	Signetics	74HCT245	
	TI	SN74HCT245	
	Toshiba	TC74HCT245A	
MV74HCT373	GEC Plessey	74HCT373	
	GoldStar	GD74HCT373	
	Harris	CD74HCT373	
	Hitachi	HD74HCT373	
	Mitsubishi	M74HCT373-1	
	Motorola	MC74HCT373A	
	National	MM74HCT373	
	SGS-Thomson		
		M74HCT373	
	Signetics	74HCT373	
	TI	SN74HCT373	
	Toshiba	TC74HCT373A	
MV74HCT374	GEC Plessey	74HCT374	
	GoldStar	GD74HCT374	
	Harris	CD74HCT374	
	Hitachi	HD74HCT374	
	Mitsubishi	M74HCT374-1	
	Motorola	MC74HCT374A	
	National	MM74HCT374	
	SGS-Thomson		
		M74HCT374	
	Signetics	74HCT374	
	TI	SN74HCT374	
	Toshiba	TC74HCT374A	
MV74HCT533	GEC Plessey	74HCT533	
	Harris	CD74HCT533	
	Hitachi	HD74HCT533	
	Mitsubishi	M74HCT533-1	
	Motorola	MC74HCT533A	
	National	MM74HCT533	
	SGS-Thomson		
		M74HCT533	
	Signetics	74HCT533	
	TI	SN74HCT533	
	Toshiba	TC74HCT533A	
MV74HCT534	GEC Plessey	74HCT534	
	Harris	CD74HCT534	
	Hitachi	HD74HCT534	
	Mitsubishi	M74HCT534-1	
	Motorola	MC74HCT534A	
	National	MM74HCT534	
	SGS-Thomson		
		M74HCT534	
	Signetics	74HCT534	
	TI	SN74HCT534	
	Toshiba	TC74HCT534A	
MV74HCT540	GEC Plessey	74HCT540	
	Harris	CD74HCT540	
	Motorola	MC74HCT540	
	National	MM74HCT540	
	SGS-Thomson		
		M74HCT540	
	Signetics	74HCT540	
	TI	SN74HCT540	
	Toshiba	TC74HCT540A	

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

GEC Plessey Semiconductors (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
MV74HCT541	GEC Plessey	74HCT541	
	Harris	CD74HCT541	
	National	MM74HCT541	
	SGS-Thomson	M74HCT541	
	Signetics	74HCT541	
	TI	SN74HCT541	
	Toshiba	TC74HCT541A	
MV74HCT563	GEC Plessey	74HCT563	
	Harris	CD74HCT563	
	SGS-Thomson	M74HCT563	
	Signetics	74HCT563	
	TI	SN74HCT563	
	Toshiba	TC74HCT563A	
MV74HCT564	GEC Plessey	74HCT564	
	Harris	CD74HCT564	
	National	MM74HCT564	
	SGS-Thomson	M74HCT564	
	Signetics	74HCT564	
	TI	SN74HCT564	
	Toshiba	TC74HCT564A	
MV74HCT573	GEC Plessey	74HCT573	
	Harris	CD74HCT573	
	Motorola	MC74HCT573A	
	National	MM74HCT573	
	SGS-Thomson	M74HCT573	
	Signetics	74HCT573	
	TI	SN74HCT573	
	Toshiba	TC74HCT573A	
MV74HCT574	GEC Plessey	74HCT574	
	Harris	CD74HCT574	
	Motorola	MC74HCT574A	
	National	MM74HCT574	
	SGS-Thomson	M74HCT574	
	Signetics	74HCT574	
	TI	SN74HCT574	
	Toshiba	TC74HCT574A	
MV8870	Crystal	CS8870	
SL2521	STC	SAL8002	
SL2522	STC	SAL8002	
SL3045	Allegro		
	Micro	ULS2045	
	Harris	CA3045	
SL3046	Allegro		
	Micro	ULN2046	
	Harris	CA3046	
SL3046C-DP	GEC Plessey	CA3046E	
SL3054	Allegro		
	Micro	ULN2054	
SL3081	Allegro		
	Micro	ULN2081	
SL3082	Allegro		
	Micro	ULN2082	
SL3083	Allegro		
	Micro	ULN2083	
SL3086	Allegro		
	Micro	ULN2086	
SL3127	Harris	CA3127	
SL3145	Allegro		
	Micro	ULS2045	
	Harris	CA3045	
		CA3046	
SL3146	Allegro		
	Micro	ULN2046	
SL3183	Allegro		
	Micro	ULN2083	
SL3227	Harris	CA3227	
SL3245	Harris	CA3246	
SL6310	Harris	CA3094	
SP93808	STC	SCC8008	
SP9685	AMD	AM6688	
		AM685	
	Signal Proc	HCMP96850	
SP9687	AMD	AM6687	
		AM687	
	Signal Proc	HCMP96870	
TDA2560	Gould AMI	S2560	
54HCT137SOS	Harris	CD54HCT137	
	TI	SN54HCT137	
54HCT138SOS	Harris	CD54HCT138	
	Motorola	MC54HCT138A	
	National	MM54HCT138	
	TI	SN54HCT138	
54HCT139SOS	Harris	CD54HCT139	
	National	MM54HCT139	
54HCT237SOS	Harris	CD54HCT237	
	TI	SN54HCT237	
54HCT238SOS	Harris	CD54HCT238	
	TI	SN54HCT238	
54HCT240SOS	Harris	CD54HCT240	
	Motorola	MC54HCT240A	
	National	MM54HCT240	
	Signetics	54HCT240	
	TI	SN54HCT240	
54HCT241SOS	Harris	CD54HCT241	
	Motorola	MC54HCT241A	
	National	MM54HCT241	
	TI	SN54HCT241	
54HCT244SOS	Harris	CD54HCT244	
	Motorola	MC54HCT244A	
	National	MM54HCT244	
	Signetics	54HCT244	
	TI	SN54HCT244	
54HCT245SOS	Harris	CD54HCT245	
	Motorola	MC54HCT245A	
	National	MM54HCT245	
	TI	SN54HCT245	
54HCT373SOS	Harris	CD54HCT373	
	Motorola	MC54HCT373A	
	National	MM54HCT373	
	TI	SN54HCT373	
54HCT374SOS	Harris	CD54HCT374	
	Motorola	MC54HCT374A	
	National	MM54HCT374	
	TI	SN54HCT374	
54HCT533SOS	Harris	CD54HCT533	
	Motorola	MC54HCT533A	
	National	MM54HCT533	
54HCT534SOS	Harris	CD54HCT534	
	Motorola	MC54HCT534A	
	National	MM54HCT534	
54HCT540SOS	Harris	CD54HCT540	
	Motorola	MC54HCT540	
	National	MM54HCT540	
	TI	SN54HCT540	
54HCT541SOS	Harris	CD54HCT541	
	National	MM54HCT541	
	TI	SN54HCT541	
54HCT563SOS	Harris	CD54HCT563	
54HCT564SOS	Harris	CD54HCT564	
54HCT573SOS	Harris	CD54HCT573	
	Motorola	MC54HCT573A	
54HCT574SOS	Harris	CD54HCT574	
	Motorola	MC54HCT574A	
74HCT137	GEC Plessey	MV74HCT137	
	Harris	CD74HCT137	
	SGS-Thomson	M74HCT137	
	Signetics	74HCT137	
	TI	SN74HCT137	
	Toshiba	TC74HCT137	
74HCT138	GEC Plessey	MV74HCT138	
	Harris	CD74HCT138	
	Hitachi	HD74HCT138	
	Mitsubishi	M74HCT138-1	
	Motorola	MC74HCT138A	
	National	MM74HCT138	
	SGS-Thomson	M74HCT138	
	Signetics	74HCT138	
	TI	SN74HCT138	
	Toshiba	TC74HCT138A	
74HCT139	GEC Plessey	MV74HCT139	
	Harris	CD74HCT139	
	Mitsubishi	M74HCT139-1	
	National	MM74HCT139	
	Signetics	74HCT139	
	TI	SN74HCT139	
	Toshiba	TC74HCT139A	
74HCT237	GEC Plessey	MV74HCT237	
	Harris	CD74HCT237	
	Signetics	74HCT237	
	TI	SN74HCT237	
74HCT238	GEC Plessey	MV74HCT238	
	Harris	CD74HCT238	
	Hitachi	HD74HCT238	
	Signetics	74HCT238	
	TI	SN74HCT238	
74HCT240	GEC Plessey	MV74HCT240	
	Harris	CD74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240	
		M74HCT240-1	
	Motorola	MC74HCT240A	
	National	MM74HCT240	
	SGS-Thomson	M74HCT240	
	Signetics	74HCT240	
	TI	SN74HCT240	
	Toshiba	TC74HCT240A	
74HCT241	GEC Plessey	MV74HCT241	
	Harris	CD74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241	
		M74HCT241-1	
	Motorola	MC74HCT241A	
	National	MM74HCT241	
	SGS-Thomson	M74HCT241	
	Signetics	74HCT241	
	TI	SN74HCT241	
	Toshiba	TC74HCT241A	
74HCT244	GEC Plessey	MV74HCT244	
	Harris	CD74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244	
		M74HCT244-1	
	Motorola	MC74HCT244A	
	National	MM74HCT244	
	SGS-Thomson	M74HCT244	
	Signetics	74HCT244	
	TI	SN74HCT244	
	Toshiba	TC74HCT244A	
74HCT245	GEC Plessey	MV74HCT245	
	Harris	CD74HCT245	
	Hitachi	HD74HCT245	
	Mitsubishi	M74HCT245-1	
	Motorola	MC74HCT245A	
	National	MM74HCT245	
	SGS-Thomson	M74HCT245	
	Signetics	74HCT245	
	TI	SN74HCT245	
	Toshiba	TC74HCT245A	
74HCT373	GEC Plessey	MV74HCT373	
	GoldStar	GD74HCT373	
	Harris	CD74HCT373	
	Hitachi	HD74HCT373	
	Mitsubishi	M74HCT373-1	
	Motorola	MC74HCT373A	
	National	MM74HCT373	
	SGS-Thomson	M74HCT373	
	Signetics	74HCT373	
	TI	SN74HCT373	
	Toshiba	TC74HCT373A	
74HCT374	GEC Plessey	MV74HCT374	
	GoldStar	GD74HCT374	
	Harris	CD74HCT374	
	Hitachi	HD74HCT374	
	Mitsubishi	M74HCT374-1	
	Motorola	MC74HCT374A	
	National	MM74HCT374	
	SGS-Thomson	M74HCT374	
	Signetics	74HCT374	
	TI	SN74HCT374	
	Toshiba	TC74HCT374A	
74HCT533	GEC Plessey	MV74HCT533	
	Harris	CD74HCT533	
	Hitachi	HD74HCT533	
	Mitsubishi	M74HCT533-1	
	Motorola	MC74HCT533A	
	National	MM74HCT533	
	SGS-Thomson	M74HCT533	
	Signetics	74HCT533	
	TI	SN74HCT533	
	Toshiba	TC74HCT533A	
74HCT534	GEC Plessey	MV74HCT534	
	Harris	CD74HCT534	
	Hitachi	HD74HCT534	
	Mitsubishi	M74HCT534-1	
	Motorola	MC74HCT534A	
	National	MM74HCT534	
	SGS-Thomson	M74HCT534	
	Signetics	74HCT534	
	TI	SN74HCT534	
	Toshiba	TC74HCT534A	
74HCT540	GEC Plessey	MV74HCT540	
	Harris	CD74HCT540	
	Motorola	MC74HCT540	
	National	MM74HCT540	
	SGS-Thomson	M74HCT540	
	Signetics	74HCT540	
	TI	SN74HCT540	
	Toshiba	TC74HCT540A	
74HCT541	GEC Plessey	MV74HCT541	
	Harris	CD74HCT541	
	National	MM74HCT541	
	SGS-Thomson	M74HCT541	
	Signetics	74HCT541	
	TI	SN74HCT541	
	Toshiba	TC74HCT541A	
74HCT563	GEC Plessey	MV74HCT563	
	Harris	CD74HCT563	
	SGS-Thomson	M74HCT563	
	Signetics	74HCT563	
	TI	SN74HCT563	
	Toshiba	TC74HCT563A	
74HCT564	GEC Plessey	MV74HCT564	
	Harris	CD74HCT564	
	National	MM74HCT564	
	SGS-Thomson	M74HCT564	
	Signetics	74HCT564	
	TI	SN74HCT564	
	Toshiba	TC74HCT564A	
74HCT573	GEC Plessey	MV74HCT573	
	Harris	CD74HCT573	
	Motorola	MC74HCT573A	
	National	MM74HCT573	
	SGS-Thomson	M74HCT573	
	Signetics	74HCT573	
	TI	SN74HCT573	
	Toshiba	TC74HCT573A	
74HCT574	GEC Plessey	MV74HCT574	
	Harris	CD74HCT574	
	Motorola	MC74HCT574A	
	National	MM74HCT574	
	SGS-Thomson	M74HCT574	
	Signetics	74HCT574	
	TI	SN74HCT574	
	Toshiba	TC74HCT574A	

Gennum

LS2842	Unitrode	UC2842

GoldStar Technology

GD74HCT00	Harris	CD74HCT00
	Mitsubishi	M74HCT00
	Motorola	MC74HCT00A
	National	MM74HCT00
	Signetics	74HCT00
	TI	SN74HCT00
	Toshiba	TC74HCT00A
GD74HCT04	Harris	CD74HCT04
	Motorola	MC74HCT04A
	National	MM74HCT04
	SGS-Thomson	M74HCT04
	Signetics	74HCT04
	Toshiba	TC74HCT04A
GD74HCT08	Harris	CD74HCT08
	Motorola	MC74HCT08A
	National	MM74HCT08
	Signetics	74HCT08
	TI	SN74HCT08
	Toshiba	TC74HCT08A
GD74HCT157	Harris	CD74HCT157
	Motorola	MC74HCT157A
	National	MM74HCT157
	SGS-Thomson	M74HCT157

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

GoldStar Technology (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
GD74HCT157			(Cont'd)
	Signetics	74HCT157	
	Toshiba	TC74HCT157A	
GD74HCT174	Harris	CD74HCT174	
	Motorola	MC74HCT174A	
	Signetics	74HCT174	
	Toshiba	TC74HCT174A	
GD74HCT258	Harris	CD74HCT258	
	National	MM74HCT258	
	SGS-Thomson	M74HCT258	
	Signetics	74HCT258	
	Toshiba	TC74HCT258A	
GD74HCT273	Harris	CD74HCT273	
	Mitsubishi	M74HCT273-1	
	Motorola	MC74HCT273A	
	National	MM74HCT273	
	Signetics	74HCT273	
	Toshiba	TC74HCT273A	
GD74HCT32	Harris	CD74HCT32	
	Motorola	MC74HCT32A	
	National	MM74HCT32	
	Signetics	74HCT32	
	TI	SN74HCT32	
	Toshiba	TC74HCT32A	
GD74HCT373	GEC Plessey	MV74HCT373	
		74HCT373	
	Harris	CD74HCT373	
	Hitachi	HD74HCT373	
	Mitsubishi	M74HCT373-1	
	Motorola	MC74HCT373A	
	National	MM74HCT373	
	SGS-Thomson	M74HCT373	
	Signetics	74HCT373	
	TI	SN74HCT373	
	Toshiba	TC74HCT373A	
GD74HCT374	GEC Plessey	MV74HCT374	
		74HCT374	
	Harris	CD74HCT374	
	Hitachi	HD74HCT374	
	Mitsubishi	M74HCT374-1	
	Motorola	MC74HCT374A	
	National	MM74HCT374	
	SGS-Thomson	M74HCT374	
	Signetics	74HCT374	
	TI	SN74HCT374	
	Toshiba	TC74HCT374A	
GD74HC00	Harris	CD74HC00	
	Hitachi	HD74HC00	
	Motorola	MC74HC00A	
	National	MM74HC00	
	NJR	NJU74HC00	
	SGS-Thomson	M74HC00	
	Sharp	LR74HC00	
	Signetics	74HC00	
	TI	SN74HC00	
	Toshiba	TC74HC00A	
GD74HC02	Harris	CD74HC02	
	Hitachi	HD74HC02	
	Motorola	MC74HC02A	
	National	MM74HC02	
	NJR	NJU74HC02	
	SGS-Thomson	M74HC02	
	Sharp	LR74HC02	
	Signetics	74HC02	
	TI	SN74HC02	
	Toshiba	TC74HC02A	
GD74HC191	Harris	CD74HC191	
	Hitachi	HD74HC191	
	Mitsubishi	M74HC191	
	National	MM74HC191	
	SGS-Thomson	M74HC191	
	Signetics	74HC191	
	TI	SN74HC191	
	Toshiba	TC74HC191A	
	Universal	US74HC191	
GD74HC240	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson	M74HC240	
	Sharp	LR74HC240	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
GD74HC240			(Cont'd)
	Signetics	PC74HC240	
		74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
GD74HC244	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
	Motorola	MC74HC244A	
	National	MM74HC244	
	NJR	NJU74HC244	
	SGS-Thomson	M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
GD74HC245	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
	National	MM74HC245	
		MM74HC245A	
	NJR	NJU74HC245	
	SGS-Thomson	M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
GD74HC273	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson	M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
GD74HC365	Harris	CD74HC365	
	Hitachi	HD74HC365	
	Motorola	MC74HC365	
	National	MM74HC365	
	SGS-Thomson	M74HC365	
	Sharp	LR74HC365	
	Signetics	74HC365	
	TI	SN74HC365	
	Toshiba	TC74HC365A	
GD74HC366	Harris	CD74HC366	
	Hitachi	HD74HC366	
	Motorola	MC74HC366	
	National	MM74HC366	
	SGS-Thomson	M74HC366	
	Sharp	LR74HC366	
	Signetics	74HC366	
	TI	SN74HC366	
	Toshiba	TC74HC366A	
GD74HC367	Harris	CD74HC367	
	Hitachi	HD74HC367	
	Mitsubishi	M74HC367	
	Motorola	MC74HC367	
	National	MM74HC367	
	SGS-Thomson	M74HC367	
	Signetics	74HC367	
	TI	SN74HC367	
	Toshiba	TC74HC367A	
GD74HC368	Harris	CD74HC368	
	Hitachi	HD74HC368	
	Motorola	MC74HC368	
	National	MM74HC368	
	SGS-Thomson	M74HC368	
	Sharp	LR74HC368	
	Signetics	74HC368	
	TI	SN74HC368	
	Toshiba	TC74HC368A	
GD74HC373	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	National	MM74HC373	
	NJR	NJU74HC373	
	SGS-Thomson	M74HC373	
	Sharp	LR74HC373	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
GD74HC373			(Cont'd)
	Signetics	74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
GD74HC374	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	National	MM74HC374	
	NJR	NJU74HC374	
	SGS-Thomson	M74HC374	
	Sharp	LR74HC374	
	Signetics	74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	
GD74HC670	Harris	CD74HC670	
	Hitachi	HD74HC670	
	Motorola	MC74HC670	
	SGS-Thomson	M74HC670	
	Signetics	74HC670	
	Toshiba	TC74HC670A	
GD74HC74	Harris	CD74HC74	
	Hitachi	HD74HC74	
	Mitsubishi	M74HC74	
	Motorola	MC74HC74A	
	National	MM74HC74	
	NJR	NJU74HC74	
	SGS-Thomson	M74HC74	
	Sharp	LR74HC74	
	Signetics	74HC74	
	TI	SN74HC74	
	Toshiba	TC74HC74A	
GD74LS00	Hitachi	HD74LS00	
	Motorola	SN74LS00	
	National	DM74LS00	
		74LS00	
	Rochester	74LS00	
	SGS-Thomson	T74LS00	
		74LS00	
	Signetics	74LS00	
	TI	SN74LS00	
GD74LS02	Hitachi	HD74LS02	
	Motorola	SN74LS02	
	National	DM74LS02	
		74LS02	
	SGS-Thomson	T74LS02	
		74LS02	
	Signetics	74LS02	
	TI	SN74LS02	
GD74LS04	Hitachi	HD74LS04	
	Motorola	SN74LS04	
	National	DM74LS04	
		74LS04	
	Rochester	74LS04	
	SGS-Thomson	T74LS04	
		74LS04	
	Signetics	74LS04	
	TI	SN74LS04	
GD74LS05	Hitachi	HD74LS05	
	Motorola	SN74LS05	
	National	DM74LS05	
		74LS05	
	Rochester	74LS05	
	SGS-Thomson	T74LS05A	
		74LS05	
	Signetics	74LS05	
	TI	SN74LS05	
GD74LS08	Hitachi	HD74LS08	
	Motorola	SN74LS08	
	National	DM74LS08	
		74LS08	
	Rochester	74LS08	
	SGS-Thomson	T74LS08	
		74LS08	
	Signetics	74LS08	
	TI	SN74LS08	
GD74LS10	Hitachi	HD74LS10	
	Motorola	SN74LS10	
	National	DM74LS10	
		74LS10	
	Rochester	74LS10	
	SGS-Thomson	T74LS10	
		74LS10	
	Signetics	74LS10	
	TI	SN74LS10	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
GD74LS11	Hitachi	HD74LS11	
	Motorola	SN74LS11	
	National	DM74LS11	
		74LS11	
	Rochester	74LS11	
	SGS-Thomson	T74LS11	
		74LS11	
	Signetics	74LS11	
	TI	SN74LS11	
GD74LS123	Hitachi	HD74LS123	
	Motorola	SN74LS123	
	National	DM74LS123	
	TI	SN74LS123	
GD74LS125A	Hitachi	HD74LS125A	
	Motorola	SN74LS125A	
	National	DM74LS125A	
		74LS125	
	SGS-Thomson	T74LS125A	
		74LS125A	
	Signetics	74LS125A	
	TI	SN74LS125A	
GD74LS138	Hitachi	HD74LS138	
	Motorola	SN74LS138	
	National	DM74LS138	
		74LS138	
	SGS-Thomson	T74LS138	
		74LS138	
	Signetics	74LS138	
	TI	SN74LS138	
GD74LS139	Hitachi	HD74LS139	
	Motorola	SN74LS139	
	National	DM74LS139	
		74LS139	
	SGS-Thomson	T74LS139	
		74LS139	
	Signetics	74LS139	
	TI	SN74LS139A	
GD74LS14	Hitachi	HD74LS14	
	Motorola	SN74LS14	
	National	DM74LS14	
		74LS14	
	SGS-Thomson	T74LS14	
		74LS14	
	Signetics	74LS14	
	TI	SN74LS14	
GD74LS153	Hitachi	HD74LS153	
	Motorola	SN74LS153	
	National	DM74LS153	
		74LS153	
	SGS-Thomson	T74LS153	
		74LS153	
	Signetics	74LS153	
	TI	SN74LS153	
GD74LS154	Hitachi	HD74LS154	
	National	DM74LS154	
	Signetics	74LS154	
GD74LS157	Hitachi	HD74LS157	
	Motorola	SN74LS157	
	National	DM74LS157	
		74LS157	
	SGS-Thomson	T74LS157	
		74LS157	
	Signetics	74LS157	
	TI	SN74LS157	
GD74LS158	Hitachi	HD74LS158	
	Motorola	SN74LS158	
	National	DM74LS158	
		74LS158	
	Rochester	74LS158	
	SGS-Thomson	T74LS158	
		74LS158	
	Signetics	74LS158	
	TI	SN74LS158	
GD74LS161A	Hitachi	HD74LS161A	
	Motorola	SN74LS161A	
	National	DM74LS161A	
		74LS161	
	Signetics	74LS161A	
	TI	SN74LS161A	
GD74LS163A	Hitachi	HD74LS163A	
	Motorola	SN74LS163A	
	National	DM74LS163A	
		74LS163	
	Signetics	74LS163A	
	TI	SN74LS163A	

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

GoldStar Technology (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
GD74LS164	Hitachi	HD74LS164	
	Motorola	SN74LS164	
	National	DM74LS164	
		74LS164	
	SGS-Thomson		
		T74LS164	
		74LS164	
	Signetics	74LS164	
	TI	SN74LS164	
GD74LS174	Hitachi	HD74LS174	
	Motorola	SN74LS174	
	National	DM74LS174	
		74LS174	
	SGS-Thomson		
		T74LS174	
		74LS174	
	Signetics	74LS174	
	TI	SN74LS174	
GD74LS175	Hitachi	HD74LS175	
	Motorola	SN74LS175	
	National	DM74LS175	
		74LS175	
	SGS-Thomson		
		T74LS175	
		74LS175	
	Signetics	74LS175	
	TI	SN74LS175	
GD74LS194A	Hitachi	HD74LS194A	
	Motorola	SN74LS194A	
	National	DM74LS194A	
	Rochester	74LS194	
	SGS-Thomson		
		T74LS194A	
		74LS194	
	Signetics	74LS194A	
	TI	SN74LS194A	
GD74LS21	Hitachi	HD74LS21	
	Motorola	SN74LS21	
	National	DM74LS21	
		74LS21	
	Rochester	74LS21	
	SGS-Thomson		
		T74LS21	
		74LS21	
	Signetics	74LS21	
	TI	SN74LS21	
GD74LS240	Hitachi	HD74LS240	
	Motorola	SN74LS240	
	National	DM74LS240	
		74LS240	
	SGS-Thomson		
		T74LS240	
		74LS240	
	Signetics	74LS240	
	TI	SN74LS240	
GD74LS241	Hitachi	HD74LS241	
	Motorola	SN74LS241	
	National	DM74LS241	
		74LS241	
	SGS-Thomson		
		T74LS241	
		74LS241	
	Signetics	74LS241	
	TI	SN74LS241	
GD74LS244	Hitachi	HD74LS244	
	Motorola	SN74LS244	
	National	DM74LS244	
		74LS244	
	SGS-Thomson		
		T74LS244	
		74LS244	
	Signetics	74LS244	
	TI	SN74LS244	
GD74LS245	Hitachi	HD74LS245	
	Motorola	SN74LS245	
	National	DM74LS245	
		74LS245	
	Rochester	74LS245	
	SGS-Thomson		
		T74LS245	
		74LS245	
	Signetics	74LS245	
	TI	SN74LS245	
GD74LS257A	Hitachi	HD74LS257	
	Motorola	SN74LS257A	
	National	DM74LS257B	
		74LS257	
	Rochester	74LS257	
	SGS-Thomson		
		T74LS257A	
		74LS257	

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Manufacturer Device	Replacement Source	Device	IC Master Page
GD74LS257A			(Cont'd)
	Signetics	74LS257A	
	TI	SN74LS257B	
GD74LS27	Hitachi	HD74LS27	
	Motorola	SN74LS27	
	National	DM74LS27	
		74LS27	
	Rochester	74LS27	
	SGS-Thomson		
		T74LS27	
		74LS27	
	Signetics	74LS27	
	TI	SN74LS27	
GD74LS273	Hitachi	HD74LS273	
	Motorola	SN74LS273	
	National	74LS273	
	SGS-Thomson		
		T74LS273	
		74LS273	
	Signetics	74LS273	
	TI	SN74LS273	
GD74LS280	Hitachi	HD74LS280	
	Motorola	SN74LS280	
	SGS-Thomson		
		T74LS280	
		74LS280	
	TI	SN74LS280	
GD74LS299	Hitachi	HD74LS299	
	Motorola	SN74LS299	
	National	74LS299	
	TI	SN74LS299	
GD74LS30	Hitachi	HD74LS30	
	Motorola	SN74LS30	
	National	DM74LS30	
		74LS30	
	Rochester	74LS30	
	SGS-Thomson		
		T74LS30	
		74LS30	
	Signetics	74LS30	
	TI	SN74LS30	
GD74LS32	Hitachi	HD74LS32	
	Motorola	SN74LS32	
	National	DM74LS32	
		74LS32	
	Rochester	74LS32	
	SGS-Thomson		
		T74LS32	
		74LS32	
	Signetics	74LS32	
	TI	SN74LS32	
GD74LS367A	Hitachi	HD74LS367A	
	Motorola	SN74LS367A	
	National	DM74LS367A	
		74LS367	
	Rochester	74LS367	
	SGS-Thomson		
		T74LS367A	
		74LS367A	
	Signetics	74LS367A	
	TI	SN74LS367A	
GD74LS373	Hitachi	HD74LS373	
	Motorola	SN74LS373	
	National	DM74LS373	
		74LS373	
	SGS-Thomson		
		T74LS373	
		74LS373	
	Signetics	74LS373	
	TI	SN74LS373	
GD74LS374	Hitachi	HD74LS374	
	Motorola	SN74LS374	
	National	DM74LS374	
		74LS374	
	SGS-Thomson		
		T74LS374	
		74LS374	
	Signetics	74LS374	
	TI	SN74LS374	
GD74LS393	Hitachi	HD74LS393	
	Motorola	SN74LS393	
	National	DM74LS393	
		74LS393	
	SGS-Thomson		
		T74LS393	
		74LS393	
	Signetics	74LS393	
	TI	SN74LS393	
♦ GD74LS541	Motorola	SN74LS541	
	Signetics	74LS541	
	TI	SN74LS541	
GD74LS612	TI	SN74LS612	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
GD74LS670	Motorola	SN74LS670	
	National	DM74LS670	
		74LS670	
	Rochester	74LS670	
	SGS-Thomson		
		T74LS670	
		74LS670	
	Signetics	74LS670	
	TI	SN74LS670	
GD74LS74A	Hitachi	HD74LS74A	
	Motorola	SN74LS74A	
	National	DM74LS74	
		74LS74	
	Rochester	74LS74	
	SGS-Thomson		
		T74LS74A	
		74LS74	
	Signetics	74LS74A	
	TI	SN74LS74A	
GD74LS75	Hitachi	HD74LS75	
	Motorola	SN74LS75	
	National	DM74LS75	
	Rochester	74LS75	
	Signetics	74LS75	
	TI	SN74LS75	
GD74LS86	Hitachi	HD74LS86	
	Motorola	SN74LS86	
	National	DM74LS86	
		74LS86	
	Rochester	74LS86	
	SGS-Thomson		
		T74LS86	
		74LS86	
	Signetics	74LS86	
	TI	SN74LS86A	
GD74LS93	Hitachi	HD74LS93	
	Motorola	SN74LS93	
	National	DM74LS93	
	Rochester	74LS93	
	SGS-Thomson		
		74LS93	
	Signetics	74LS93	
	TI	SN74LS93	
GD74S00	National	DM74S00	
		74S00	
	Signetics	74S00	
	TI	SN74S00	
GD74S04	National	DM74S04	
		74S04	
	Rochester	74S04	
	Signetics	74S04	
	TI	SN74S04	
GD74S08	National	DM74S08	
		74S08	
	Signetics	74S08	
	TI	SN74S08	
GD74S112	National	DM74S112	
		74S112	
	Rochester	74S112	
	Signetics	74S112	
	TI	SN74S112	
GD74S174	National	DM74S174	
		74S174	
	Rochester	74S174	
	Signetics	74S174	
	TI	SN74S174	
GD74S299	National	DM74S299	
	TI	SN74S299	
GD74S32	National	DM74S32	
		74S32	
	Signetics	74S32	
	TI	SN74S32	
GD74S374	AMD	AM74S374	
	National	DM74S374	
	Signetics	74S374	
	TI	SN74S374	
GD74S51	National	DM74S51	
		74S51	
	Signetics	74S51	
	TI	SN74S51	
GD74S74	National	DM74S74	
		74S74	
	Rochester	74S74	
	Signetics	74S74	
	TI	SN74S74	
GL339	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
GL358	Fujitsu	MB47358	
		MB47358P	
		MB47358PE	
GL3620	Waferscale	WS57C64	
GL3842	Astec Semi	AS3842	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
GL494	Unitrode	UC494	
GL5560	Signetics	NE5560	
GL5561	Signetics	NE5561	
GL7805	TI	μA7805	
GL7806	TI	μA7806	
GL7808	TI	μA7808	
GL7812	TI	μA7812	
GL7815	TI	μA7815	
GL7824	TI	μA7824	
GL7905	TI	μA7905	
GL7912	TI	μA7912	
GL7915	TI	μA7915	
GL7924	TI	μA7924	
GM1356	MicronTech	MT1259	
GM27HC64	Waferscale	WS57C64	
GM57HC64	ICT	27CX641	
GM57HC64-45			
	ICT	27CX641C-45	
GM57HC64-55			
	ICT	27CX641C-55	
GM71C1000	MicronTech	MT4C1024	
GM71C256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
GM71C4256	MicronTech	MT4C4256	
GM71C464	Krueger	41464-100	
		41464-120	
		41464-150	
GM76C164	Toshiba	TC55416	
GM76C256	Inova	S32K8	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	Toshiba	TC55257	
GM76C28	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	Mosel	MS6516	
GM76C88	**Krueger**	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	Toshiba	TC5563	
		TC5565	
GM76C88L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
76C48	**Krueger**	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**

Gould AMI

PEEL153	ICT	PEEL153	
PEEL173	ICT	PEEL173	
PEEL18CV8	ICT	PEEL18CV8	
PEEL20CG10	ICT	PEEL20CG10	
PEEL22CV10	ICT	PEEL22CV10	
PEEL253	**Gould AMI**	**PEEL153**	**(3499)**
	ICT	PEEL253	
PEEL273	Gould AMI	PEEL173	
	ICT	PEEL273	
S1602	SMC	COM1863	
S2114	AMD	AM91L14	
S2364	Hughes	H23C64	
		H23C65	
S25089	Samsung	KS5808	
	UMC	UM95089	
S2559	Samsung	KS58528	
		KS58529	
		KS58530	
		KS58531	
		KS58532	
		KS58533	
		KS58534	
		KS58535	
		KS58536	
		KS58537	
		KS58538	
		KS58539	
	UMC	UM9559	
S2560	Samsung	KS5805	
	UMC	UM9151	
S25610	UMC	91611	
S25910	UMC	UM91260	
		UM91261	
S2859	UMC	UM95088	
S2860	UMC	UM95088	
S3506	Gould AMI	MV3506	
S3507	GEC Plessey	MV3507	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Gould AMI (Cont'd)			
S3525A	Gould AMI	S3525B	
S3528	Exar	XR1015	
		XR1016	
S3541	Exar	XR1020	
S4264	Hughes	H23C64	
		H23C65	
S4520	Gould AMI	S4521	
	Holt	HI8020	
	Micrel	MIC8010	
S4521	Gould AMI	S4520	
	Hughes	H0438	
S4534	Allegro		
	Micro	UCN5801	
		UCN5810	
S4535	Allegro		
	Micro	UCN5818	
S5101	Hughes	H1822	
S5114	Krueger	21C14-150	
		21C14-200	
		21C14-450	
S6800	Krueger	6800	
S6809	Krueger	6809	
S6809E	Krueger	6809E	
S6850	SMC	COM8017	
S6852	SMC	COM5025	
22CV10	Samsung	CPL22V10	
525089	GEC Plessey	MV5089	
679501	STC	SLS6016	
679502	STC	SLS6216	
Harris Semiconductor			
µA748	National	LM748	
µA777	AD	OP77	
ADC0801	GEC Plessey	ZN439	
		ZN447	
	National	ADC0801	
ADC0802	GEC Plessey	ZN439	
		ZN448	
	National	ADC0802	
ADC0803	GEC Plessey	ZN439	
		ZN448	
	National	ADC0803	
	Signetics	ADC0803	
ADC0804	GEC Plessey	ZN439	
		ZN449	
	National	ADC0804	
	Signetics	ADC0804	
	TI	ADC0804	
ADC0805	Signetics	ADC0805	
AD7520	AD	PM7533	
	National	DAC1021	
		DAC1022	
	Unitrode	PIC7520	
AD7521	AD	PM7541	
	Burr-Brown	DAC7541	
	National	DAC1220	
		DAC1221	
		DAC1222	
AD7523	AD	PM7524	
	Unitrode	PIC7523	
AD7530	AD	PM7533	
	National	DAC1021	
		DAC1022	
	Unitrode	PIC7530	
AD7531	AD	PM7541	
	Burr-Brown	DAC7541	
	National	DAC1220	
		DAC1221	
		DAC1222	
	Unitrode	PIC7531	
AD7533	AD	PM7533	
	National	DAC1021	
		DAC1022	
	Unitrode	PIC7533	
AD7541	AD	PM7541	
	National	DAC1218	
		DAC1219	
CA081	AD	OP15	
	AnalogSys	MA332	
		MA333	
		MA362	
	Motorola	TL081	
	National	LF411	
		TL081	
	Panasonic	AN1081	
	SGS-Thomson		
		TL081	
	TI	TL081	

Manufacturer Device	Replacement Source	Device	IC Master Page
CA082	AD	OP215	
	AnalogSys	MA336	
		MA372	
	Fujitsu	MB47082	
		MB47082P	
		MB47082PF	
	Motorola	TL082	
	National	LF412	
		TL082	
	Panasonic	AN1082	
	SGS-Thomson		
		TL082	
	TI	TL082	
CA084	AnalogSys	MA374	
	Motorola	TL082	
		TL084	
	National	LF147	
		LF347	
	SGS-Thomson		
		TL084	
	TI	TL084	
CA101	Motorola	LM101	
CA101A	Raytheon	LM101A	
CA107	Motorola	MC1741	
CA111	Raytheon	LM111	
CA124	AD	OP421	
	National	LM124	
	Raytheon	LM124	
	SGS-Thomson		
		LM124	
	Signetics	LM124	
CA139	AD	PM139	
	Motorola	LM139	
	National	LM139	
	Raytheon	LM139	
	SGS-Thomson		
		LM139	
CA1391	Motorola	MC1391	
CA1458	**AD**	**OP14**	**(3343)**
	AnalogSys	MA336	
		MA372	
	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
	Motorola	MC1458	
	National	LM1458	
	Panasonic	AN1458	
		AN6572	
	SGS-Thomson		
		MC1458	
CA1558	**AD**	**OP14**	**(3343)**
	AnalogSys	MA336	
		MA372	
	Motorola	MC1558	
	National	LM1558	
CA1558T3	TI	MC1558LB	
CA158	AD	OP221	
	National	LM158	
	SGS-Thomson		
		LM158	
	Signetics	SE532	
CA1724	Allegro		
	Micro	TPQ3724	
CA1725	Allegro		
	Micro	TPQ3725	
CA201	Motorola	LM201	
CA207	Motorola	MC1741	
CA2111	Allegro		
	Micro	ULN2111	
CA22301	AD	RPT82	
		RPT83	
CA224	AD	OP421	
	National	LM224	
	Samsung	LM224	
	SGS-Thomson		
		LM224	
CA239	AD	PM139	
	Motorola	LM239	
	National	LM239	
	Samsung	LM239	
	SGS-Thomson		
		LM239	
	Signetics	LM239	
		LM239A	
CA258	Harris	OP221	
	National	LM258	
	SGS-Thomson		
		LM258	
CA2901	SGS-Thomson		
		LM2901	
CA2902	SGS-Thomson		
		LM2902	
CA2904	AnalogSys	MA336	
		MA372	

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Manufacturer Device	Replacement Source	Device	IC Master Page
CA2904			(Cont'd)
	Harris	OP221	
CA3008	Motorola	MC1709	
CA301	AnalogSys	MA332	
		MA333	
		MA362	
	Motorola	LM301	
	National	LM301	
	SGS-Thomson		
		LM301	
CA301A	Raytheon	LM301A	
CA3010	Motorola	MC1709	
CA3011	Motorola	MC1590	
CA3012	Motorola	MC1590	
CA3015	Motorola	MC1709	
CA3016	Motorola	MC1709	
CA3020	Motorola	MC1454	
		MC1554	
CA3021	Motorola	MC1590	
CA3022	Motorola	MC1590	
CA3023	Motorola	MC1590	
CA3026	Motorola	CA3054	
CA3029	Motorola	MC1709	
CA3030	Motorola	MC1709	
♦ CA3033	Lansdale	ML1533	
CA3037	Motorola	MC1709	
CA3038	Motorola	MC1709	
♦ CA3040	Lansdale	ML1510	
CA3044	Motorola	MC13010	
CA3045	Allegro		
	Micro	ULS2045	
	Elantec	EN2016	
	GEC Plessey	SL3045	
		SL3046	
	Motorola	MC3346	
CA3046	Allegro		
	Micro	ULN2046	
	Elantec	EN2016	
	GEC Plessey	SL3046	
	Motorola	MC3346	
CA3048	Motorola	MC3301	
CA3052	Motorola	MC3301	
CA3054	Allegro		
	Micro	ULN2054	
	Motorola	CA3054	
CA3056	Motorola	MC1741	
CA3058	Motorola	CA3059	
CA3059	Motorola	CA3059	
CA3064	Motorola	MC13010	
CA307	Harris	OP77	
	National	LM307	
CA3076	Motorola	MC1590	
CA3078	AD	OP90	
	Motorola	MC1776	
CA3079	Motorola	CA3079	
CA3081	Allegro		
	Micro	ULN2081	
CA3082	Allegro		
	Micro	ULN2082	
CA3083	Allegro		
	Micro	ULN2083	
CA3084	Elantec	EN2015	
CA3085	Motorola	MC1723	
CA3086	Allegro		
	Micro	ULN2086	
	Motorola	MC3346	
CA3091	Motorola	MC1594	
CA3100	AnalogSys	MA332	
		MA333	
		MA362	
	Elantec	EHA2620	
CA3105	National	LM675	
CA311	Harris	PM211	
	National	LM311	
	SGS-Thomson		
		LM311	
CA3127	GEC Plessey	SL3127	
CA3130	AD	OP80	
CA3136	Motorola	MC3346	
CA3139	Motorola	MC13010	
CA3140	AD	OP41	
CA3145	GEC Plessey	SL3145	
CA3146	Allegro		
	Micro	ULN2046	
	GEC Plessey	SL3146	
	Motorola	CA3146	
		MC3346	
CA3162	TI	TL501	
		TL503	
CA3183	Allegro		
	Micro	ULN2083	
CA3193	AD	OP77	
	AnalogSys	MA332	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
CA3193	AnalogSys		(Cont'd)
		MA333	
		MA362	
CA3199	GEC Plessey	SP8611	
CA3201	Motorola	TDA3301	
CA3210	Motorola	MC13001	
CA3217	Motorola	TDA3301	
CA3219	Allegro		
	Micro	UDN2543	
		UDQ2543	
CA3227	GEC Plessey	SL3227	
CA3232	GEC Plessey	SP8657	
CA324	AD	OP421	
	National	LM324	
	Panasonic	AN1324	
		AN6564	
	Raytheon	LM324	
	SGS-Thomson		
		LM324	
CA3240	AD	OP215	
CA3242	Allegro		
	Micro	UDN2543	
CA3245	GEC Plessey	SL3245	
CA3262	Allegro		
	Micro	UDN2543	
CA3290	National	LM393	
	SGS-Thomson		
		LM393	
CA3300	GEC Plessey	ZN440	
	MicroPwr	MP7682	
CA3302	Motorola	MC3302	
	Samsung	LM3302	
CA3306	MicroPwr	MP7686	
CA3308	GEC Plessey	SP973	
CA3310	GEC Plessey	ZN502	
CA3338	GEC Plessey	SP5308	
		SP5408	
CA339	AD	PM139	
	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
	Motorola	LM339	
	National	LM339	
	Raytheon	LM339	
	SGS-Thomson		
		LM339	
	Signetics	LM339	
CA3401	Motorola	MC3401	
	National	LM3401	
CA3420	AD	OP80	
CA3440	AD	OP80	
CA3493	AD	OP77	
	AnalogSys	MA332	
		MA333	
		MA362	
CA3524	Unitrode	UC3524	
CA358	AnalogSys	MA336	
		MA372	
	Fujitsu	MB47358	
	Harris	OP221	
	National	LM358	
	Panasonic	AN1358	
		AN6562	
	SGS-Thomson		
		LM358	
	Signetics	LM358	
		NE532	
CA358A	Fujitsu	MB47358P	
		MB47358PE	
	Signetics	NE532	
CA3724	Allegro		
	Micro	TPQ3724	
CA3725	Allegro		
	Micro	TPQ3725	
CA4051	**AD**	**SSM2300**	**(3354)**
CA5422	AD	OP215	
CA555	SGS-Thomson		
		NE555	
CA6078	Motorola	MC1776	
CA6741	Motorola	MC1776	
CA723	Fujitsu	MB3752	
	Motorola	MC1723	
	Signetics	µA723	
CA741	AD	OP02	
	AnalogSys	MA332	
		MA333	
		MA362	
	Motorola	MC1741	
	National	LM741	
	Panasonic	AN1741	
		AN6570	
	Raytheon	RC741	
	SGS-Thomson		
		µA741	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Harris Semiconductor (Cont'd)			
CA747	AD	OP04	
	Motorola	MC1747	
	National	LM747	
	Raytheon	RC747	
	Signetics	μA747	
		μA747C	
CA748	AD	OP08	
	AnalogSys	MA332	
		MA333	
		MA362	
	Motorola	MC1748	
	National	LM748	
	SGS-Thomson		
		μA748	
CA7607	Motorola	MC13010	
CA7611	Motorola	MC13010	
CDM1821	Harris	HM6508	
CDM1822	Harris	HM6551	
CDM5101	Harris	HM6551	
CDM5114	Harris	HM6514	
CDM5364	Hughes	H23C64	
		H23C65	
CDM5365	Hughes	H23C64	
		H23C65	
CDM6116	Harris	HM65162	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	Mosel	MS6516	
CDM62256	Inova	S32K8	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	Toshiba	TC55257	
CDM6264	Harris	HM65642	
		HM8808	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	Toshiba	TC5563	
		TC5565	
CDM6264A	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
CDM6508	Harris	HM6508	
CDP1802	Hughes	H1802	
CDP1821	GoldStar	GD4736	
CDP1822	GoldStar	GD4721	
	Hughes	H1822	
CDP1824	Hughes	H1824	
CDP1831	Hughes	H1831	
		H1832	
CDP1832	Hughes	H1831	
		H1832	
CDP1833	Hughes	H1833	
		H1834	
CDP1834	Hughes	H1833	
		H1834	
CDP1835	Harris	H1835	
CDP1837	Hughes	H1837	
CDP1852	Hughes	H1852	
	Micro-C	1852	
CDP1853	Hughes	H1853	
CDP1856	Hughes	H1856	
CDP1857	Hughes	H1857	
CDP1858	Hughes	H1858	
CDP1859	Hughes	H1859	
CDP6402	Harris	IM6402	
CDP65C51	CMD Micro	G65SC51	
CDP68HC05	Hitachi	HD6305	
CD22100	Samsung	KT8592	
CD22103	GEC Plessey	MJ1471	
CD22203	Crystal	CS203	
CD22204	Crystal	CS204	
CD22301	STC	TEL5221	
CD22859	GEC Plessey	MV5089	
CD4001	Fujitsu	MB4001P	
		MB4001PF	
	GoldStar	GD4001	
CD4002	Fujitsu	MB4002P	
		MB4002PF	
	GoldStar	GD4002	
CD4006	GoldStar	GD4006	
CD4007	GoldStar	GD4007	
CD4008	GoldStar	GD4008	
CD40106	GoldStar	GD40014	
CD4011	GoldStar	GD4011	
CD4012	GoldStar	GD4012	
CD4013	GoldStar	GD4013	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
CD4014	GoldStar	GD4014	
CD4015	GoldStar	GD4015	
CD4016	GoldStar	GD4016	
	TI	TLC4016	
	Unitrode	PIC7516	
CD4017	GoldStar	GD4017	
CD4018	GoldStar	GD4018	
CD40182	GoldStar	GD4582	
CD4019	GoldStar	GD4019	
		GD40194	
CD40192	GoldStar	GD40192	
CD40193	GoldStar	GD40139	
CD4020	GoldStar	GD4020	
CD4021	GoldStar	GD4021	
CD4022	GoldStar	GD4022	
CD4023	GoldStar	GD4023	
CD4024	GoldStar	GD4024	
CD4025	GoldStar	GD4025	
CD4027	GoldStar	GD4027	
CD4028	GoldStar	GD4028	
CD4029	GoldStar	GD4029	
CD4030	GoldStar	GD4030	
CD4034	GoldStar	GD4034	
CD4035	GoldStar	GD4035	
CD4040	GoldStar	GD4040	
CD4041	GoldStar	GD4041	
CD4042	GoldStar	GD4042	
CD4043	GoldStar	GD4043	
CD4044	GoldStar	GD4044	
CD4046	GoldStar	GD4046	
CD4047	GoldStar	GD4047	
CD4049	GoldStar	GD4049	
CD4050	GoldStar	GD4050	
CD4051	GoldStar	GD4051	
CD4052	GoldStar	GD4052	
CD4053	GoldStar	GD4053	
CD4066	GoldStar	GD4066	
	TI	TLC4066	
	TLSI	TL4066	
CD4067	GoldStar	GD4067	
CD4068	GoldStar	GD4068	
CD4069	GoldStar	GD4069	
CD4070	GoldStar	GD4070	
CD4071	GoldStar	GD4071	
CD4075	GoldStar	GD4075	
CD4076	GoldStar	GD4076	
CD4077	GoldStar	GD4077	
CD4078	GoldStar	GD4078	
CD4081	GoldStar	GD4081	
CD4085	GoldStar	GD4085	
CD4086	GoldStar	GD4086	
CD4093	GoldStar	GD4093	
CD4099	GoldStar	GD4724	
CD4510	GoldStar	GD4510	
CD4511	GoldStar	GD4511	
CD4514	GoldStar	GD4514	
CD4516	GoldStar	GD4516	
CD4518	GoldStar	GD4518	
CD4520	GoldStar	GD4520	
CD4528	GoldStar	GD4528	
CD4532	GoldStar	GD4532	
CD4555	GoldStar	GD4555	
CD4556	GoldStar	GD4556	
CD54ACT00	National	54ACT00	
CD54ACT04	National	54ACT04	
CD54ACT08	National	54ACT08	
CD54ACT112	National	54ACT112	
CD54ACT138	National	54ACT138	
CD54ACT139	National	54ACT139	
CD54ACT151	National	54ACT151	
CD54ACT153	National	54ACT153	
CD54ACT157	National	54ACT157	
CD54ACT158	National	54ACT158	
CD54ACT161	National	54ACT161	
CD54ACT163	National	54ACT163	
CD54ACT164	National	54ACT164	
CD54ACT174	National	54ACT174	
CD54ACT175	National	54ACT175	
CD54ACT240	National	54ACT240	
	VTC	V54ACT240	
CD54ACT241	National	54ACT241	
	VTC	V54ACT241	
CD54ACT244	National	54ACT244	
	VTC	V54ACT244	
CD54ACT245	National	54ACT245	
	VTC	V54ACT245	
CD54ACT251	National	54ACT251	
CD54ACT253	National	54ACT253	
CD54ACT257	National	54ACT257	
CD54ACT258	National	54ACT258	
CD54ACT273	National	54ACT273	
CD54ACT280	National	54ACT280	
CD54ACT283	National	54ACT283	

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD54ACT299	National	54ACT299	
CD54ACT32	National	54ACT32	
CD54ACT323	National	54ACT323	
CD54ACT373	National	54ACT373	
	VTC	V54ACT373	
CD54ACT374	National	54ACT374	
	VTC	V54ACT374	
CD54ACT533	VTC	V54ACT533	
CD54ACT534	National	54ACT534	
	VTC	V54ACT534	
CD54ACT540	National	54ACT540	
	VTC	V54ACT540	
CD54ACT541	National	54ACT541	
	VTC	V54ACT541	
CD54ACT563	National	54ACT563	
	VTC	V54ACT563	
CD54ACT564	National	54ACT564	
	VTC	V54ACT564	
CD54ACT573	National	54ACT573	
	VTC	V54ACT573	
CD54ACT574	Harris	CD54ACT574A	
	National	54ACT574	
	VTC	V54ACT574	
CD54ACT574A			
	Harris	CD54ACT574	
	National	54ACT574	
	VTC	V54ACT574	
CD54ACT623	VTC	V54ACT623	
CD54ACT646	National	54ACT646	
CD54ACT74	National	54ACT74	
CD54AC00	National	54AC00	
CD54AC02	National	54AC02	
CD54AC04	National	54AC04	
CD54AC08	National	54AC08	
CD54AC10	National	54AC10	
CD54AC109	National	54AC109	
CD54AC112	National	54AC112	
CD54AC138	National	54AC138	
CD54AC139	National	54AC139	
CD54AC151	National	54AC151	
CD54AC153	National	54AC153	
CD54AC157	National	54AC157	
CD54AC158	National	54AC158	
CD54AC161	National	54AC161	
CD54AC163	National	54AC163	
CD54AC164	National	54AC164	
CD54AC174	National	54AC174	
CD54AC175	National	54AC175	
CD54AC191	National	54AC191	
CD54AC20	National	54AC20	
CD54AC240	National	54AC240	
CD54AC241	National	54AC241	
CD54AC244	National	54AC244	
CD54AC245	National	54AC245	
CD54AC251	National	54AC251	
CD54AC253	National	54AC253	
CD54AC257	National	54AC257	
CD54AC280	National	54AC280	
CD54AC283	National	54AC283	
CD54AC299	National	54AC299	
CD54AC32	National	54AC32	
CD54AC373	National	54AC373	
CD54AC374	National	54AC374	
CD54AC540	National	54AC540	
CD54AC541	National	54AC541	
CD54AC574	National	54AC574	
CD54AC646	National	54AC646	
CD54AC648	National	54AC648	
CD54AC74	National	54AC74	
CD54HCT00	Motorola	MC54HCT00A	
	National	MM54HCT00	
CD54HCT03	National	MM54HCT03	
CD54HCT04	Motorola	MC54HCT04A	
	National	MM54HCT04	
	TI	SN54HCT04	
CD54HCT08	Motorola	MC54HCT08A	
	National	MM54HCT08	
CD54HCT109	National	MM54HCT109	
CD54HCT112	National	MM54HCT112	
CD54HCT137	GEC Plessey	54HCT137SOS	
	TI	SN54HCT137	
CD54HCT138	GEC Plessey	54HCT138SOS	
	Motorola	MC54HCT138A	
	National	MM54HCT138	
	TI	SN54HCT138	
CD54HCT139	GEC Plessey	54HCT139SOS	
	National	MM54HCT139	
CD54HCT14	Motorola	MC54HCT14A	
CD54HCT147	National	MM54HCT147	
CD54HCT151	National	MM54HCT151	
CD54HCT153	National	MM54HCT153	
CD54HCT157	Motorola	MC54HCT157A	
	National	MM54HCT157	

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD54HCT158	National	MM54HCT158	
CD54HCT164	National	MM54HCT164	
CD54HCT166	National	MM54HCT166	
CD54HCT174	Motorola	MC54HCT174A	
CD54HCT190	National	54HCT190	
CD54HCT191	National	MM54HCT191	
CD54HCT192	National	MM54HCT192	
CD54HCT193	National	MM54HCT193	
CD54HCT237	GEC Plessey	54HCT237SOS	
	TI	SN54HCT237	
CD54HCT238	GEC Plessey	54HCT238SOS	
	TI	SN54HCT238	
CD54HCT240	GEC Plessey	54HCT240SOS	
	Motorola	MC54HCT240A	
	National	MM54HCT240	
	Signetics	54HCT240	
	TI	SN54HCT240	
CD54HCT241	GEC Plessey	54HCT241SOS	
	Motorola	MC54HCT241A	
	National	MM54HCT241	
	TI	SN54HCT241	
CD54HCT244	GEC Plessey	54HCT244SOS	
	Motorola	MC54HCT244A	
	National	MM54HCT244	
	Signetics	54HCT244	
	TI	SN54HCT244	
CD54HCT245	GEC Plessey	54HCT245SOS	
	Motorola	MC54HCT245A	
	National	MM54HCT245	
	TI	SN54HCT245	
CD54HCT251	National	MM54HCT251	
CD54HCT253	National	MM54HCT253	
CD54HCT257	National	MM54HCT257	
CD54HCT258	National	MM54HCT258	
CD54HCT273	Motorola	MC54HCT273A	
	National	MM54HCT273	
CD54HCT32	Motorola	MC54HCT32A	
	National	MM54HCT32	
CD54HCT373	GEC Plessey	54HCT373SOS	
	Motorola	MC54HCT373A	
	National	MM54HCT373	
	TI	SN54HCT373	
CD54HCT374	GEC Plessey	54HCT374SOS	
	Motorola	MC54HCT374A	
	National	MM54HCT374	
	TI	SN54HCT374	
♦ CD54HCT384	Signetics	54HCT384	
CD54HCT4046			
	Harris	CD54HCT4046A	
CD54HCT4046A			
	Harris	CD54HCT4046	
CD54HCT533	GEC Plessey	54HCT533SOS	
	Motorola	MC54HCT533A	
	National	MM54HCT533	
CD54HCT534	GEC Plessey	54HCT534SOS	
	Motorola	MC54HCT534A	
	National	MM54HCT534	
CD54HCT540	GEC Plessey	54HCT540SOS	
	Motorola	MC54HCT540	
	National	MM54HCT540	
	TI	SN54HCT540	
CD54HCT541	GEC Plessey	54HCT541SOS	
	National	MM54HCT541	
	TI	SN54HCT541	
CD54HCT563	GEC Plessey	54HCT563SOS	
CD54HCT564	GEC Plessey	54HCT564SOS	
CD54HCT573	GEC Plessey	54HCT573SOS	
	Motorola	MC54HCT573A	
CD54HCT574	GEC Plessey	54HCT574SOS	
	Motorola	MC54HCT574A	
CD54HCT640	Motorola	MC54HCT640A	
	National	MM54HCT640	
CD54HCT643	National	MM54HCT643	
CD54HCT688	National	MM54HCT688	
CD54HCT7046			
	Harris	CD54HCT7046A	
CD54HCT7046A			
	Harris	CD54HCT7046	
CD54HCT74	National	MM54HCT74	
CD54HC00	Motorola	MC54HC00A	
	National	MM54HC00	
	TI	SN54HC00	
CD54HC02	Motorola	MC54HC02A	
	National	MM54HC02	
	TI	SN54HC02	
CD54HC03	Motorola	MC54HC03A	
	National	MM54HC03	
	TI	SN54HC03	
CD54HC04	National	MM54HC04	
	TI	SN54HC04	
CD54HC08	Motorola	MC54HC08A	
	National	MM54HC08	
	TI	SN54HC08	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Harris Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
CD54HC10	Motorola	MC54HC10	
	National	MM54HC10	
	TI	SN54HC10	
CD54HC107	Motorola	MC54HC107	
	National	MM54HC107	
	TI	SN54HC107	
CD54HC109	Motorola	MC54HC109	
	National	MM54HC109	
	TI	SN54HC109	
CD54HC11	Motorola	MC54HC11	
	National	MM54HC11	
	TI	SN54HC11	
CD54HC112	Motorola	MC54HC112	
	National	MM54HC112	
	TI	SN54HC112	
CD54HC123	National	MM54HC123	
		MM54HC123A	
CD54HC125	Motorola	MC54HC125A	
	National	MM54HC125	
	TI	SN54HC125	
CD54HC126	Motorola	MC54HC126A	
	National	MM54HC126	
	TI	SN54HC126	
CD54HC132	Motorola	MC54HC132A	
	National	MM54HC132	
	TI	SN54HC132	
CD54HC137	Motorola	MC54HC137	
	National	MM54HC137	
	TI	SN54HC137	
CD54HC138	Motorola	MC54HC138A	
	National	MM54HC138	
	TI	SN54HC138	
CD54HC139	Motorola	MC54HC139A	
	National	MM54HC139	
	TI	SN54HC139	
CD54HC14	Motorola	MC54HC14A	
	National	MM54HC14	
	TI	SN54HC14	
CD54HC147	Motorola	MC54HC147	
	National	MM54HC147	
CD54HC151	Motorola	MC54HC151	
	National	MM54HC151	
	TI	SN54HC151	
CD54HC153	Motorola	MC54HC153	
	National	MM54HC153	
	TI	SN54HC153	
CD54HC154	Motorola	MC54HC154	
	National	MM54HC154	
CD54HC157	Motorola	MC54HC157A	
	National	MM54HC157	
	TI	SN54HC157	
CD54HC158	National	MM54HC158	
	TI	SN54HC158	
CD54HC160	Motorola	MC54HC160	
	National	MM54HC160	
	TI	SN54HC160	
CD54HC161	National	MM54HC161	
	TI	SN54HC161	
CD54HC162	Motorola	MC54HC162	
	National	MM54HC162	
CD54HC163	National	MM54HC163	
	TI	SN54HC163	
CD54HC164	Motorola	MC54HC164	
	National	MM54HC164	
	TI	SN54HC164	
CD54HC165	Motorola	MC54HC165	
	National	MM54HC165	
	TI	SN54HC165	
CD54HC166	National	MM54HC166	
	TI	SN54HC166	
CD54HC173	Motorola	MC54HC173	
	National	MM54HC173	
	TI	SN54HC173	
CD54HC174	Motorola	MC54HC174A	
	National	MM54HC174	
	TI	SN54HC174	
CD54HC175	Motorola	MC54HC175	
	National	MM54HC175	
	TI	SN54HC175	
CD54HC181	National	MM54HC181	
CD54HC182	National	MM54HC182	
CD54HC190	National	MM54HC190	
	TI	SN54HC190	
CD54HC191	National	MM54HC191	
	TI	SN54HC191	
CD54HC192	National	MM54HC192	
	TI	SN54HC192	
CD54HC193	National	MM54HC193	
	TI	SN54HC193	
CD54HC194	Motorola	MC54HC194	
	National	MM54HC194	
	TI	SN54HC194	
CD54HC195	Motorola	MC54HC195	
	National	MM54HC195	
	TI	SN54HC195	
CD54HC20	Motorola	MC54HC20	
	National	MM54HC20	
	TI	SN54HC20	
CD54HC21	TI	SN54HC21	
CD54HC221	National	MM54HC221A	
CD54HC237	Motorola	MC54HC237	
	National	MM54HC237	
	TI	SN54HC237	
CD54HC238	TI	SN54HC238	
CD54HC240	Motorola	MC54HC240A	
	National	MM54HC240	
	Signetics	54HC240	
	TI	SN54HC240	
CD54HC241	Motorola	MC54HC241A	
	National	MM54HC241	
	TI	SN54HC241	
CD54HC242	Motorola	MC54HC242	
	National	MM54HC242	
	TI	SN54HC242	
CD54HC243	National	MM54HC243	
	TI	SN54HC243	
CD54HC244	Motorola	MC54HC244A	
	National	MM54HC244	
	Signetics	54HC244	
	TI	SN54HC244	
CD54HC245	National	MM54HC245	
		MM54HC245A	
	TI	SN54HC245	
CD54HC251	Motorola	MC54HC251	
	National	MM54HC251	
	TI	SN54HC251	
CD54HC253	Motorola	MC54HC253	
	National	MM54HC253	
	TI	SN54HC253	
CD54HC257	Motorola	MC54HC257	
	National	MM54HC257	
	TI	SN54HC257	
CD54HC258	National	MM54HC258	
	TI	SN54HC258	
CD54HC259	Motorola	MC54HC259	
	National	MM54HC259	
	TI	SN54HC259	
♦ CD54HC266	Motorola	MC54HC266	
	National	MM54HC266	
	TI	SN54HC266	
CD54HC27	Motorola	MC54HC27	
	National	MM54HC27	
	TI	SN54HC27	
CD54HC273	Motorola	MC54HC273A	
	National	MM54HC273	
	TI	SN54HC273	
CD54HC280	Motorola	MC54HC280	
	National	MM54HC280	
	TI	SN54HC280	
CD54HC283	National	MM54HC283	
CD54HC299	Motorola	MC54HC299	
	National	MM54HC299	
CD54HC30	Motorola	MC54HC30	
	National	MM54HC30	
	TI	SN54HC30	
CD54HC32	Motorola	MC54HC32A	
	National	MM54HC32	
	TI	SN54HC32	
CD54HC354	Motorola	MC54HC354	
	National	MM54HC354	
CD54HC356	National	MM54HC356	
CD54HC365	Motorola	MC54HC365	
	National	MM54HC365	
	TI	SN54HC365	
CD54HC366	Motorola	MC54HC366	
	National	MM54HC366	
	TI	SN54HC366	
CD54HC367	Motorola	MC54HC367	
	National	MM54HC367	
	TI	SN54HC367	
CD54HC368	Motorola	MC54HC368	
	National	MM54HC368	
	TI	SN54HC368	
CD54HC373	Motorola	MC54HC373A	
	National	MM54HC373	
	TI	SN54HC373	
CD54HC374	Motorola	MC54HC374A	
	National	MM54HC374	
	TI	SN54HC374	
CD54HC377	TI	SN54HC377	
CD54HC390	Motorola	MC54HC390	
	National	MM54HC390	
	TI	SN54HC390	
CD54HC393	Motorola	MC54HC393	
	National	MM54HC393	
	TI	SN54HC393	
CD54HC4002	Motorola	MC54HC4002	
	National	MM54HC4002	
	TI	SN54HC4002	
CD54HC4017	Motorola	MC54HC4017	
	National	MM54HC4017	
CD54HC4020	National	MM54HC4020	
	TI	SN54HC4020	
CD54HC4024	Motorola	MC54HC4024	
	TI	SN54HC4024	
CD54HC4040	National	MM54HC4040	
	TI	SN54HC4040	
CD54HC4046	Harris	CD54HC4046A	
	Motorola	MC54HC4046A	
	National	MM54HC4046	
CD54HC4046A			
	Harris	CD54HC4046	
	Motorola	MC54HC4046A	
	National	MM54HC4046	
CD54HC4049	Motorola	MC54HC4049	
	National	MM54HC4049	
CD54HC4050	Motorola	MC54HC4050	
	National	MM54HC4050	
CD54HC4051	Motorola	MC54HC4051	
	National	MM54HC4051	
CD54HC4052	Motorola	MC54HC4052	
	National	MM54HC4052	
CD54HC4053	Motorola	MC54HC4053	
	National	MM54HC4053	
CD54HC4060	National	MM54HC4060	
CD54HC4066	Motorola	MC54HC4066	
	National	MM54HC4066	
	TI	SN54HC4066	
CD54HC4075	Motorola	MC54HC4075	
	National	MM54HC4075	
	TI	SN54HC4075	
CD54HC42	Motorola	MC54HC42	
	National	MM54HC42	
	TI	SN54HC42	
CD54HC423	National	MM54HC423A	
CD54HC4511	Motorola	MC54HC4511	
	National	MM54HC4511	
CD54HC4514	Motorola	MC54HC4514	
	National	MM54HC4514	
CD54HC4538	Motorola	MC54HC4538A	
	National	MM54HC4538	
CD54HC4543	National	MM54HC4543	
CD54HC533	Motorola	MC54HC533A	
	National	MM54HC533	
	TI	SN54HC533	
CD54HC534	Motorola	MC54HC534A	
	National	MM54HC534	
	TI	SN54HC534	
CD54HC540	Motorola	MC54HC540	
	National	MM54HC540	
	TI	SN54HC540	
CD54HC541	Motorola	MC54HC541	
	National	MM54HC541	
	TI	SN54HC541	
CD54HC563	Motorola	MC54HC563	
	National	MM54HC563	
	TI	SN54HC563	
CD54HC564	Motorola	MC54HC564	
	National	MM54HC564	
	TI	SN54HC564	
CD54HC573	Motorola	MC54HC573A	
	National	MM54HC573	
	TI	SN54HC573	
CD54HC574	Motorola	MC54HC574A	
	National	MM54HC574	
	TI	SN54HC574	
CD54HC597	Motorola	MC54HC597	
	National	MM54HC597	
CD54HC640	Motorola	MC54HC640A	
	National	MM54HC640	
	TI	SN54HC640	
CD54HC643	National	MM54HC643	
	TI	SN54HC643	
CD54HC646	Motorola	MC54HC646	
	National	MM54HC646	
CD54HC648	Motorola	MC54HC648	
	National	MM54HC648	
CD54HC688	Motorola	MC54HC688	
	National	MM54HC688	
	TI	SN54HC688	
CD54HC7046	Harris	CD54HC7046A	
CD54HC7046A			
	Harris	CD54HC7046	
CD54HC7266	Motorola	MC54HC7266	
	National	MM54HC7266	
CD54HC73	Motorola	MC54HC73	
	National	MM54HC73	
CD54HC74	Motorola	MC54HC74A	
	National	MM54HC74	
	TI	SN54HC74	
CD54HC75	Motorola	MC54HC75	
	National	MM54HC75	
	TI	SN54HC75	
CD54HC85	Motorola	MC54HC85	
	National	MM54HC85	
	TI	SN54HC85A	
CD54HC86	Motorola	MC54HC86	
	National	MM54HC86	
	TI	SN54HC86	
CD74ACT00	Motorola	MC74ACT00	
	National	74ACT00	
	Toshiba	TC74ACT00	
CD74ACT02	Motorola	MC74ACT02	
	Toshiba	TC74ACT02	
CD74ACT04	National	74ACT04	
	Toshiba	TC74ACT04	
CD74ACT08	Motorola	MC74ACT08	
	Toshiba	TC74ACT08	
CD74ACT10	Motorola	MC74ACT10	
	Toshiba	TC74ACT10	
CD74ACT109	Motorola	MC74ACT109	
	National	74ACT109	
	Toshiba	TC74ACT109	
CD74ACT112	National	74ACT112	
	Toshiba	TC74ACT112	
CD74ACT138	Motorola	MC74ACT138	
	National	74ACT138	
	Toshiba	TC74ACT138	
CD74ACT139	Motorola	MC74ACT139	
	National	74ACT139	
	Toshiba	TC74ACT139	
CD74ACT151	Motorola	MC74ACT151	
	National	74ACT151	
	Toshiba	TC74ACT151	
CD74ACT153	Motorola	MC74ACT153	
	National	74ACT153	
	Toshiba	TC74ACT153	
CD74ACT157	Motorola	MC74ACT157	
	National	74ACT157	
	Toshiba	TC74ACT157	
CD74ACT158	Motorola	MC74ACT158	
	National	74ACT158	
	Toshiba	TC74ACT158	
CD74ACT161	Motorola	MC74ACT161	
	National	74ACT161	
	Toshiba	TC74ACT161	
CD74ACT163	Motorola	MC74ACT163	
	National	74ACT163	
	Toshiba	TC74ACT163	
CD74ACT164	National	74ACT164	
	Toshiba	TC74ACT164	
CD74ACT174	Motorola	MC74ACT174	
	National	74ACT174	
	Toshiba	TC74ACT174	
CD74ACT175	National	74ACT175	
	Toshiba	TC74ACT175	
CD74ACT240	Motorola	MC74ACT240	
	National	74ACT240	
	Toshiba	TC74ACT240	
	VTC	V74ACT240	
CD74ACT241	Motorola	MC74ACT241	
	National	74ACT241	
	Toshiba	TC74ACT241	
	VTC	V74ACT241	
CD74ACT244	Motorola	MC74ACT244	
	National	74ACT244	
	Toshiba	TC74ACT244	
	VTC	V74ACT244	
CD74ACT245	Motorola	MC74ACT245	
	National	74ACT245	
	Toshiba	TC74ACT245	
	VTC	V74ACT245	
CD74ACT251	Motorola	MC74ACT251	
	National	74ACT251	
	Toshiba	TC74ACT251	
CD74ACT253	Motorola	MC74ACT253	
	National	74ACT253	
CD74ACT257	Motorola	MC74ACT257	
	National	74ACT257	
	Toshiba	TC74ACT257	
CD74ACT258	Motorola	MC74ACT258	
	National	74ACT258	
	Toshiba	TC74ACT258	
CD74ACT273	Motorola	MC74ACT273	
	National	74ACT273	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Harris Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
CD74ACT280	National	74ACT280	
	Toshiba	TC74ACT280	
CD74ACT283	National	74ACT283	
	Toshiba	TC74ACT283	
CD74ACT299	Motorola	MC74ACT299	
	National	74ACT299	
CD74ACT32	Motorola	MC74ACT32	
	National	74ACT32	
	Toshiba	TC74ACT32	
CD74ACT323	Motorola	MC74ACT323	
	National	74ACT323	
CD74ACT373	Motorola	MC74ACT373	
	National	74ACT373	
	Toshiba	TC74ACT373	
	VTC	V74ACT373	
CD74ACT374	Motorola	MC74ACT374	
	National	74ACT374	
	Toshiba	TC74ACT374	
	VTC	V74ACT374	
CD74ACT533	Motorola	MC74ACT533	
	Toshiba	TC74ACT533	
	VTC	V74ACT533	
CD74ACT534	Motorola	MC74ACT534	
	National	74ACT534	
	Toshiba	TC74ACT534	
	VTC	V74ACT534	
CD74ACT540	Motorola	MC74ACT540	
	National	74ACT540	
	Toshiba	TC74ACT540	
	VTC	V74ACT540	
CD74ACT541	Motorola	MC74ACT541	
	National	74ACT541	
	Toshiba	TC74ACT541	
	VTC	V74ACT541	
CD74ACT563	Motorola	MC74ACT563	
	National	74ACT563	
	Toshiba	TC74ACT563	
	VTC	V74ACT563	
CD74ACT564	Motorola	MC74ACT564	
	National	74ACT564	
	Toshiba	TC74ACT564	
	VTC	V74ACT564	
CD74ACT573	Motorola	MC74ACT573	
	National	74ACT573	
	Toshiba	TC74ACT573	
	VTC	V74ACT573	
CD74ACT574	Motorola	MC74ACT574	
	National	74ACT574	
	Toshiba	TC74ACT574	
	VTC	V74ACT574	
CD74ACT623	Motorola	MC74ACT623	
	VTC	V74ACT623	
CD74ACT646	National	74ACT646	
	Toshiba	TC74ACT646	
CD74ACT648	Motorola	MC74ACT648	
	Toshiba	TC74ACT648	
CD74ACT74	Motorola	MC74ACT74	
	National	74ACT74	
	Toshiba	TC74ACT74	
CD74ACT86	Motorola	MC74ACT86	
	Toshiba	TC74ACT86	
CD74AC00	Motorola	MC74AC00	
	National	74AC00	
	Toshiba	TC74AC00	
CD74AC02	Motorola	MC74AC02	
	National	74AC02	
	Toshiba	TC74AC02	
CD74AC04	Motorola	MC74AC04	
	National	74AC04	
	Toshiba	TC74AC04	
CD74AC05	Toshiba	TC74AC05	
CD74AC08	Motorola	MC74AC08	
	National	74AC08	
	Toshiba	TC74AC08	
CD74AC10	Motorola	MC74AC10	
	National	74AC10	
	Toshiba	TC74AC10	
CD74AC109	Motorola	MC74AC109	
	National	74AC109	
	Toshiba	TC74AC109	
CD74AC112	National	74AC112	
	Toshiba	TC74AC112	
CD74AC138	Motorola	MC74AC138	
	National	74AC138	
	Toshiba	TC74AC138	
CD74AC139	Motorola	MC74AC139	
	National	74AC139	
	Toshiba	TC74AC139	
CD74AC151	Motorola	MC74AC151	
	National	74AC151	
	Toshiba	TC74AC151	

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD74AC153	Motorola	MC74AC153	
	National	74AC153	
	Toshiba	TC74AC153	
CD74AC157	Motorola	MC74AC157	
	National	74AC157	
	Toshiba	TC74AC157	
CD74AC158	Motorola	MC74AC158	
	National	74AC158	
	Toshiba	TC74AC158	
CD74AC161	Motorola	MC74AC161	
	National	74AC161	
	Toshiba	TC74AC161	
CD74AC163	Motorola	MC74AC163	
	National	74AC163	
	Toshiba	TC74AC163	
CD74AC164	National	74AC164	
	Toshiba	TC74AC164	
CD74AC174	Motorola	MC74AC174	
	National	74AC174	
	Toshiba	TC74AC174	
CD74AC175	National	74AC175	
	Toshiba	TC74AC175	
CD74AC191	National	74AC191	
	Toshiba	TC74AC191	
CD74AC20	National	74AC20	
	Toshiba	TC74AC20	
CD74AC240	Motorola	MC74AC240	
	National	74AC240	
	Toshiba	TC74AC240	
CD74AC241	Motorola	MC74AC241	
	National	74AC241	
	Toshiba	TC74AC241	
CD74AC244	Motorola	MC74AC244	
	National	74AC244	
	Toshiba	TC74AC244	
CD74AC245	Motorola	MC74AC245	
	National	74AC245	
	Toshiba	TC74AC245	
CD74AC251	Motorola	MC74AC251	
	National	74AC251	
	Toshiba	TC74AC251	
		74AC251	
CD74AC253	Motorola	MC74AC253	
	National	74AC253	
	Toshiba	TC74AC253	
CD74AC257	Motorola	MC74AC257	
	National	74AC257	
	Toshiba	TC74AC257	
CD74AC258	Motorola	MC74AC258	
	National	74AC258	
	Toshiba	TC74AC258	
CD74AC273	Motorola	MC74AC273	
	National	74AC273	
	Toshiba	TC74AC273	
CD74AC280	National	74AC280	
	Toshiba	TC74AC280	
CD74AC283	National	74AC283	
	Toshiba	TC74AC283	
CD74AC299	Motorola	MC74AC299	
	National	74AC299	
	Toshiba	TC74AC299	
CD74AC32	Motorola	MC74AC32	
	National	74AC32	
	Toshiba	TC74AC32	
CD74AC323	Toshiba	TC74AC323	
CD74AC373	Motorola	MC74AC373	
	National	74AC373	
	Toshiba	TC74AC373	
CD74AC374	Motorola	MC74AC374	
	National	74AC374	
	Toshiba	TC74AC374	
CD74AC533	Motorola	MC74AC533	
	Toshiba	TC74AC533	
CD74AC534	Motorola	MC74AC534	
	Toshiba	TC74AC534	
CD74AC540	Motorola	MC74AC540	
	National	74AC540	
	Toshiba	TC74AC540	
CD74AC541	Motorola	MC74AC541	
	National	74AC541	
	Toshiba	TC74AC541	
CD74AC563	Motorola	MC74AC563	
	Toshiba	TC74AC563	
CD74AC564	Motorola	MC74AC564	
	Toshiba	TC74AC564	
CD74AC573	Motorola	MC74AC573	
	Toshiba	TC74AC573	
CD74AC574	Motorola	MC74AC574	
	National	74AC574	
	Toshiba	TC74AC574	
CD74AC623	Motorola	MC74AC623	
	Toshiba	TC74AC623	

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD74AC646	Motorola	MC74AC646	
	National	74AC646	
	Toshiba	TC74AC646	
CD74AC648	Motorola	MC74AC648	
	National	74AC648	
	Toshiba	TC74AC648	
CD74AC74	Motorola	MC74AC74	
	National	74AC74	
	Toshiba	TC74AC74	
CD74AC86	Motorola	MC74AC86	
	National	74AC86	
	Toshiba	TC74AC86	
CD74FCT240	IDT	IDT74FCT240	
	Quality Semi	**QS74FCT240**	**(3613)**
CD74FCT241	IDT	IDT74FCT241	
	Quality Semi	**QS74FCT241**	**(3613)**
CD74FCT244	IDT	IDT74FCT244	
	Quality Semi	**QS74FCT244**	**(3613)**
CD74FCT245	IDT	IDT74FCT245	
	Quality Semi	**QS74FCT245**	**(3613)**
CD74FCT273	IDT	IDT74FCT273	
	Quality Semi	**QS74FCT273**	**(3613)**
CD74FCT2952	IDT	IDT29FCT52	
	Quality Semi	**QS29FCT52**	**(3613)**
CD74FCT29520	IDT	IDT29FCT520	
	Quality Semi	**QS29FCT520**	**(3613)**
CD74FCT29521	IDT	IDT29FCT521	
	Quality Semi	**QS29FCT521**	**(3613)**
CD74FCT2953	IDT	IDT29FCT53	
	Quality Semi	**QS29FCT53**	**(3613)**
CD74FCT373	IDT	IDT74FCT373	
	Quality Semi	**QS74FCT373**	**(3613)**
CD74FCT374	IDT	IDT74FCT374	
	Quality Semi	**QS74FCT374**	**(3613)**
CD74FCT377	IDT	IDT74FCT377	
	Quality Semi	**QS74FCT377**	**(3613)**
CD74FCT533	IDT	IDT74FCT533	
	Quality Semi	QS74FCT533	
CD74FCT534	IDT	IDT74FCT534	
	Quality Semi	**QS74FCT534**	**(3613)**
CD74FCT540	IDT	IDT74FCT540	
	Quality Semi	**QS74FCT540**	**(3613)**
CD74FCT541	IDT	IDT74FCT541	
	Quality Semi	**QS74FCT541**	**(3613)**
CD74FCT543	IDT	IDT74FCT543	
	Quality Semi	**QS74FCT543**	**(3614)**
CD74FCT544	**Quality Semi**	**QS74FCT544**	**(3614)**
CD74FCT573	IDT	IDT74FCT573	
	Quality Semi	**QS74FCT573**	**(3613)**
CD74FCT574	IDT	IDT74FCT574	
	Quality Semi	QS74FCT574	
CD74FCT640	IDT	IDT74FCT640	
CD74FCT646	IDT	IDT74FCT646	
	Quality Semi	**QS74FCT646**	**(3613)**

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD74FCT648	IDT	IDT74FCT648	
	Quality Semi	**QS74FCT648**	**(3613)**
CD74FCT651	IDT	IDT74FCT651	
	Quality Semi	**QS74FCT651**	**(3613)**
CD74FCT652	IDT	IDT74FCT652	
	Quality Semi	**QS74FCT652**	**(3613)**
CD74FCT821	IDT	IDT74FCT821	
	Quality Semi	**QS74FCT821**	**(3613)**
CD74FCT823	IDT	IDT74FCT823	
	Quality Semi	**QS74FCT823**	**(3613)**
CD74FCT824	IDT	IDT74FCT824	
CD74FCT827	IDT	IDT74FCT827	
	Quality Semi	**QS74FCT827**	**(3613)**
CD74FCT828	IDT	IDT74FCT828	
	Quality Semi	QS74FCT828	
CD74FCT841	IDT	IDT74FCT841	
	Quality Semi	**QS74FCT841**	**(3614)**
CD74FCT843	IDT	IDT74FCT843	
	Quality Semi	**QS74FCT843**	**(3614)**
CD74FCT844	IDT	IDT74FCT844	
CD74FCT861	IDT	IDT74FCT861	
	Quality Semi	**QS74FCT861**	**(3613)**
CD74FCT862	**Quality Semi**	**QS74FCT862**	**(3613)**
CD74FCT863	IDT	IDT74FCT863	
	Quality Semi	**QS74FCT863**	**(3613)**
CD74FCT864	IDT	IDT74FCT864	
	Quality Semi	**QS74FCT864**	**(3613)**
CD74HCT00	GoldStar	GD74HCT00	
	Mitsubishi	M74HCT00	
	Motorola	MC74HCT00A	
	National	MM74HCT00	
	Signetics	74HCT00	
	TI	SN74HCT00	
	Toshiba	TC74HCT00A	
CD74HCT02	Signetics	74HCT02	
	TI	SN74HCT02	
	Toshiba	TC74HCT02A	
CD74HCT03	National	MM74HCT03	
	Signetics	74HCT03	
CD74HCT04	GoldStar	GD74HCT04	
	Motorola	MC74HCT04A	
	National	MM74HCT04	
	SGS-Thomson	M74HCT04	
	Signetics	74HCT04	
	Toshiba	TC74HCT04A	
CD74HCT08	GoldStar	GD74HCT08	
	Motorola	MC74HCT08A	
	National	MM74HCT08	
	Signetics	74HCT08	
	TI	SN74HCT08	
	Toshiba	TC74HCT08A	
CD74HCT10	Signetics	74HCT10	
CD74HCT107	Signetics	74HCT107	
CD74HCT109	National	MM74HCT109	
	Signetics	74HCT109	
CD74HCT11	Signetics	74HCT11	
CD74HCT112	National	MM74HCT112	
	Signetics	74HCT112	
CD74HCT123	Signetics	74HCT123	
CD74HCT125	Signetics	74HCT125	
CD74HCT126	Signetics	74HCT126	
CD74HCT132	Signetics	74HCT132	
CD74HCT137	GEC Plessey	MV74HCT137	
		74HCT137	
	SGS-Thomson	M74HCT137	
	Signetics	74HCT137	
	TI	SN74HCT137	
	Toshiba	TC74HCT137	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Harris Semiconductor (Cont'd)			
CD74HCT138	GEC Plessey	MV74HCT138	
		74HCT138	
	Hitachi	HD74HCT138	
	Mitsubishi	M74HCT138-1	
	Motorola	MC74HCT138A	
	National	MM74HCT138	
	SGS-Thomson		
		M74HCT138	
	Signetics	74HCT138	
	TI	SN74HCT138	
	Toshiba	TC74HCT138A	
CD74HCT139	GEC Plessey	MV74HCT139	
		74HCT139	
	Mitsubishi	M74HCT139-1	
	National	MM74HCT139	
	Signetics	74HCT139	
	TI	SN74HCT139	
	Toshiba	TC74HCT139A	
CD74HCT14	Motorola	MC74HCT14A	
	Signetics	74HCT14	
CD74HCT147	National	MM74HCT147	
	Signetics	74HCT147	
CD74HCT151	National	MM74HCT151	
	Signetics	74HCT151	
CD74HCT153	National	MM74HCT153	
	Signetics	74HCT153	
CD74HCT154	Signetics	74HCT154	
CD74HCT157	GoldStar	GD74HCT157	
	Motorola	MC74HCT157A	
	National	MM74HCT157	
	SGS-Thomson		
		M74HCT157	
	Signetics	74HCT157	
	Toshiba	TC74HCT157A	
CD74HCT158	National	MM74HCT158	
	SGS-Thomson		
		M74HCT158	
	Signetics	74HCT158	
	Toshiba	TC74HCT158A	
CD74HCT160	Signetics	74HCT160	
CD74HCT161	Signetics	74HCT161	
CD74HCT162	Signetics	74HCT162	
CD74HCT163	Signetics	74HCT163	
CD74HCT164	National	MM74HCT164	
	SGS-Thomson		
		M74HCT164	
	Signetics	74HCT164	
	Toshiba	TC74HCT164A	
CD74HCT165	Signetics	74HCT165	
CD74HCT166	National	MM74HCT166	
	Signetics	74HCT166	
CD74HCT173	Signetics	74HCT173	
CD74HCT174	GoldStar	GD74HCT174	
	Motorola	MC74HCT174A	
	Signetics	74HCT174	
	Toshiba	TC74HCT174A	
CD74HCT175	Signetics	74HCT175	
CD74HCT181	Signetics	74HCT181	
CD74HCT182	Signetics	74HCT182	
CD74HCT190	National	74HCT190	
	Signetics	74HCT190	
CD74HCT191	National	MM74HCT191	
	Signetics	74HCT191	
CD74HCT192	National	MM74HCT192	
	Signetics	74HCT192	
CD74HCT193	National	MM74HCT193	
	Signetics	74HCT193	
CD74HCT194	Signetics	74HCT194	
CD74HCT195	Signetics	74HCT195	
CD74HCT20	Signetics	74HCT20	
CD74HCT21	Signetics	74HCT21	
CD74HCT221	Signetics	74HCT221	
CD74HCT22106			
	Harris	CD74HCT22106E	
CD74HCT22106E			
	Harris	CD74HCT22106	
CD74HCT237	GEC Plessey	MV74HCT237	
		74HCT237	
	Signetics	74HCT237	
	TI	SN74HCT237	
CD74HCT238	GEC Plessey	MV74HCT238	
		74HCT238	
	Hitachi	HD74HCT238	
	Signetics	74HCT238	
	TI	SN74HCT238	
CD74HCT240	GEC Plessey	MV74HCT240	
		74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240	
		M74HCT240-1	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HCT240			(Cont'd)
	Motorola	MC74HCT240A	
	National	MM74HCT240	
	SGS-Thomson		
		M74HCT240	
	Signetics	74HCT240	
	TI	SN74HCT240	
	Toshiba	TC74HCT240A	
CD74HCT241	GEC Plessey	MV74HCT241	
		74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241	
		M74HCT241-1	
	Motorola	MC74HCT241A	
	National	MM74HCT241	
	SGS-Thomson		
		M74HCT241	
	Signetics	74HCT241	
	TI	SN74HCT241	
	Toshiba	TC74HCT241A	
CD74HCT242	Hitachi	HD74HCT242	
	Signetics	74HCT242	
	TI	SN74HCT242	
CD74HCT243	Hitachi	HD74HCT243	
	Signetics	74HCT243	
	TI	SN74HCT243	
CD74HCT244	GEC Plessey	MV74HCT244	
		74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244	
		M74HCT244-1	
	Motorola	MC74HCT244A	
	National	MM74HCT244	
	SGS-Thomson		
		M74HCT244	
	Signetics	74HCT244	
	TI	SN74HCT244	
	Toshiba	TC74HCT244A	
CD74HCT245	GEC Plessey	MV74HCT245	
		74HCT245	
	Hitachi	HD74HCT245	
	Mitsubishi	M74HCT245-1	
	Motorola	MC74HCT245A	
	National	MM74HCT245	
	SGS-Thomson		
		M74HCT245	
	Signetics	74HCT245	
	TI	SN74HCT245	
	Toshiba	TC74HCT245A	
CD74HCT251	National	MM74HCT251	
	Signetics	74HCT251	
CD74HCT253	National	MM74HCT253	
CD74HCT257	National	MM74HCT257	
	SGS-Thomson		
		M74HCT257	
	Signetics	74HCT257	
	Toshiba	TC74HCT257A	
CD74HCT258	GoldStar	GD74HCT258	
	National	MM74HCT258	
	SGS-Thomson		
		M74HCT258	
	Signetics	74HCT258	
	Toshiba	TC74HCT258A	
CD74HCT259	Signetics	74HCT259	
CD74HCT27	Signetics	74HCT27	
CD74HCT273	GoldStar	GD74HCT273	
	Mitsubishi	M74HCT273-1	
	Motorola	MC74HCT273A	
	National	MM74HCT273	
	Signetics	74HCT273	
	Toshiba	TC74HCT273A	
CD74HCT280	Signetics	74HCT280	
CD74HCT283	Signetics	74HCT283	
CD74HCT297	Signetics	74HCT297	
CD74HCT299	Signetics	74HCT299	
CD74HCT30	Signetics	74HCT30	
CD74HCT32	GoldStar	GD74HCT32	
	Motorola	MC74HCT32A	
	National	MM74HCT32	
	Signetics	74HCT32	
	TI	SN74HCT32	
	Toshiba	TC74HCT32A	
CD74HCT354	Signetics	74HCT354	
CD74HCT356	Signetics	74HCT356	
CD74HCT365	Signetics	74HCT365	
CD74HCT366	Signetics	74HCT366	
CD74HCT367	Signetics	74HCT367	
CD74HCT368	Signetics	74HCT368	
CD74HCT373	GEC Plessey	MV74HCT373	
		74HCT373	
	GoldStar	GD74HCT373	
	Hitachi	HD74HCT373	
	Mitsubishi	M74HCT373-1	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HCT373			(Cont'd)
	Motorola	MC74HCT373A	
	National	MM74HCT373	
	SGS-Thomson		
		M74HCT373	
	Signetics	74HCT373	
	TI	SN74HCT373	
	Toshiba	TC74HCT373A	
CD74HCT374	GEC Plessey	MV74HCT374	
		74HCT374	
	GoldStar	GD74HCT374	
	Hitachi	HD74HCT374	
	Mitsubishi	M74HCT374-1	
	Motorola	MC74HCT374A	
	National	MM74HCT374	
	SGS-Thomson		
		M74HCT374	
	Signetics	74HCT374	
	TI	SN74HCT374	
	Toshiba	TC74HCT374A	
CD74HCT377	Signetics	74HCT377	
CD74HCT390	Signetics	74HCT390	
CD74HCT393	Signetics	74HCT393	
CD74HCT4002			
	Signetics	74HCT4002	
CD74HCT40102			
	Signetics	74HCT40102	
CD74HCT40103			
	Signetics	74HCT40103	
CD74HCT40104			
	Signetics	74HCT40104	
CD74HCT40105			
	Signetics	74HCT40105	
CD74HCT4015			
	Signetics	74HCT4015	
CD74HCT4017			
	Signetics	74HCT4017	
CD74HCT4020			
	Signetics	74HCT4020	
CD74HCT4024			
	Signetics	74HCT4024	
CD74HCT4040			
	Signetics	74HCT4040	
CD74HCT4046			
	Harris	CD74HCT4046A	
	Signetics	74HCT4046A	
CD74HCT4046A			
	Harris	CD74HCT4046	
	Signetics	74HCT4046A	
CD74HCT4051			
	Signetics	74HCT4051	
CD74HCT4052			
	Signetics	74HCT4052	
CD74HCT4053			
	Signetics	74HCT4053	
CD74HCT4059			
	Signetics	74HCT4059	
CD74HCT4060			
	Signetics	74HCT4060	
CD74HCT4066			
	Signetics	74HCT4066	
CD74HCT4067			
	Signetics	74HCT4067	
CD74HCT4075			
	Signetics	74HCT4075	
CD74HCT4094			
	Signetics	74HCT4094	
CD74HCT42	Signetics	74HCT42	
CD74HCT423	Signetics	74HCT423	
CD74HCT4510			
	Signetics	74HCT4510	
CD74HCT4511			
	Signetics	74HCT4511	
CD74HCT4514			
	Signetics	74HCT4514	
CD74HCT4515			
	Signetics	74HCT4515	
CD74HCT4516			
	Signetics	74HCT4516	
CD74HCT4518			
	Signetics	74HCT4518	
CD74HCT4520			
	Signetics	74HCT4520	
CD74HCT4538			
	Signetics	74HCT4538	
CD74HCT4543			
	Signetics	74HCT4543	
CD74HCT533	GEC Plessey	MV74HCT533	
		74HCT533	
	Hitachi	HD74HCT533	
	Mitsubishi	M74HCT533-1	
	Motorola	MC74HCT533A	
	National	MM74HCT533	
	SGS-Thomson		
		M74HCT533	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HCT533			(Cont'd)
	Signetics	74HCT533	
	TI	SN74HCT533	
	Toshiba	TC74HCT533A	
CD74HCT534	GEC Plessey	MV74HCT534	
		74HCT534	
	Hitachi	HD74HCT534	
	Mitsubishi	M74HCT534-1	
	Motorola	MC74HCT534A	
	National	MM74HCT534	
	SGS-Thomson		
		M74HCT534	
	Signetics	74HCT534	
	TI	SN74HCT534	
	Toshiba	TC74HCT534A	
CD74HCT540	GEC Plessey	MV74HCT540	
		74HCT540	
	Motorola	MC74HCT540	
	National	MM74HCT540	
	SGS-Thomson		
		M74HCT540	
	Signetics	74HCT540	
	TI	SN74HCT540	
	Toshiba	TC74HCT540A	
CD74HCT541	GEC Plessey	MV74HCT541	
		74HCT541	
	National	MM74HCT541	
	SGS-Thomson		
		M74HCT541	
	Signetics	74HCT541	
	TI	SN74HCT541	
	Toshiba	TC74HCT541A	
CD74HCT563	GEC Plessey	MV74HCT563	
		74HCT563	
	SGS-Thomson		
		M74HCT563	
	Signetics	74HCT563	
	TI	SN74HCT563	
	Toshiba	TC74HCT563A	
CD74HCT564	GEC Plessey	MV74HCT564	
		74HCT564	
	National	MM74HCT564	
	SGS-Thomson		
		M74HCT564	
	Signetics	74HCT564	
	TI	SN74HCT564	
	Toshiba	TC74HCT564A	
CD74HCT573	GEC Plessey	MV74HCT573	
		74HCT573	
	Motorola	MC74HCT573A	
	National	MM74HCT573	
	SGS-Thomson		
		M74HCT573	
	Signetics	74HCT573	
	TI	SN74HCT573	
	Toshiba	TC74HCT573A	
CD74HCT574	GEC Plessey	MV74HCT574	
		74HCT574	
	Motorola	MC74HCT574A	
	National	MM74HCT574	
	SGS-Thomson		
		M74HCT574	
	Signetics	74HCT574	
	TI	SN74HCT574	
	Toshiba	TC74HCT574A	
CD74HCT583	Signetics	74HCT583	
CD74HCT597	Signetics	74HCT597	
CD74HCT640	Mitsubishi	M74HCT640-1	
	Motorola	MC74HCT640A	
	National	MM74HCT640	
	SGS-Thomson		
		M74HCT640	
	Signetics	74HCT640	
	TI	SN74HCT640	
	Toshiba	TC74HCT640A	
	Universal	US74HCT640	
CD74HCT643	Mitsubishi	M74HCT643-1	
	National	MM74HCT643	
	SGS-Thomson		
		M74HCT643	
	Signetics	74HCT643	
	TI	SN74HCT643	
	Toshiba	TC74HCT643A	
CD74HCT646	Motorola	MC74HCT646	
	SGS-Thomson		
		M74HCT646	
	Signetics	74HCT646	
	TI	SN74HCT646	
	Toshiba	TC74HCT646A	
CD74HCT648	SGS-Thomson		
		M74HCT648	
	Signetics	74HCT648	
	TI	SN74HCT648	
	Toshiba	TC74HCT648A	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HCT651	SGS-Thomson	M74HCT651	
	TI	SN74HCT651	
	Toshiba	TC74HCT651A	
CD74HCT652	SGS-Thomson	M74HCT652	
	TI	SN74HCT652	
	Toshiba	TC74HCT652A	
CD74HCT670	Signetics	74HCT670	
CD74HCT688	National	MM74HCT688	
	SGS-Thomson	M74HCT688	
	Signetics	74HCT688	
	Toshiba	TC74HCT688A	
CD74HCT7030	Signetics	74HCT7030	
CD74HCT7046	Harris	CD74HCT7046A	
	Signetics	74HCT7046A	
CD74HCT7046A	Harris	CD74HCT7046	
	Signetics	74HCT7046A	
CD74HCT73	Signetics	74HCT73	
CD74HCT74	Motorola	MC74HCT74A	
	National	MM74HCT74	
	SGS-Thomson	M74HCT74	
	Signetics	74HCT74	
	TI	SN74HCT74	
	Toshiba	TC74HCT74A	
CD74HCT75	Signetics	74HCT75	
CD74HCT85	Signetics	74HCT85	
CD74HCT86	SGS-Thomson	M74HCT86	
	Signetics	74HCT86	
	Toshiba	TC74HCT86A	
CD74HCT93	Signetics	74HCT93	
CD74HC00	GoldStar	GD74HC00	
	Hitachi	HD74HC00	
	Motorola	MC74HC00A	
	National	MM74HC00	
	NJR	NJU74HC00	
	SGS-Thomson	M74HC00	
	Sharp	LR74HC00	
	Signetics	74HC00	
	TI	SN74HC00	
	Toshiba	TC74HC00A	
CD74HC02	GoldStar	GD74HC02	
	Hitachi	HD74HC02	
	Motorola	MC74HC02A	
	National	MM74HC02	
	NJR	NJU74HC02	
	SGS-Thomson	M74HC02	
	Sharp	LR74HC02	
	Signetics	74HC02	
	TI	SN74HC02	
	Toshiba	TC74HC02A	
CD74HC03	Motorola	MC74HC03A	
	National	MM74HC03	
	NJR	NJU74HC03	
	SGS-Thomson	M74HC03	
	Sharp	LR74HC03	
	Signetics	74HC03	
	TI	SN74HC03	
	Toshiba	TC74HC03A	
CD74HC04	Hitachi	HD74HC04	
	Motorola	MC74HC04A	
	National	MM74HC04	
	NJR	NJU74HC04	
	SGS-Thomson	M74HC04	
	Sharp	LR74HC04	
	Signetics	74HC04	
	TI	SN74HC04	
	Toshiba	TC74HC04A	
CD74HC08	Hitachi	HD74HC08	
	Motorola	MC74HC08A	
	National	MM74HC08	
	NJR	NJU74HC08	
	SGS-Thomson	M74HC08	
	Sharp	LR74HC08	
	Signetics	74HC08	
	TI	SN74HC08	
	Toshiba	TC74HC08A	
CD74HC10	Hitachi	HD74HC10	
	Motorola	MC74HC10	
	National	MM74HC10	
	NJR	NJU74HC10	

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HC10			(Cont'd)
	SGS-Thomson	M74HC10	
	Sharp	LR74HC10	
	Signetics	74HC10	
	TI	SN74HC10	
	Toshiba	TC74HC10A	
CD74HC107	Hitachi	HD74HC107	
	Motorola	MC74HC107	
	National	MM74HC107	
	SGS-Thomson	M74HC107	
	Sharp	LR74HC107	
	Signetics	74HC107	
	TI	SN74HC107	
	Toshiba	TC74HC107A	
CD74HC109	Hitachi	HD74HC109	
	Motorola	MC74HC109	
	National	MM74HC109	
	NJR	NJU74HC109	
	SGS-Thomson	M74HC109	
	Sharp	LR74HC109	
	Signetics	74HC109	
	TI	SN74HC109	
	Toshiba	TC74HC109A	
CD74HC11	Hitachi	HD74HC11	
	Motorola	MC74HC11	
	National	MM74HC11	
	NJR	NJU74HC11	
	SGS-Thomson	M74HC11	
	Sharp	LR74HC11	
	Signetics	74HC11	
	TI	SN74HC11	
	Toshiba	TC74HC11A	
CD74HC112	Hitachi	HD74HC112	
	Motorola	MC74HC112	
	National	MM74HC112	
	NJR	NJU74HC112	
	SGS-Thomson	M74HC112	
	Sharp	LR74HC112	
	Signetics	74HC112	
	TI	SN74HC112	
	Toshiba	TC74HC112A	
CD74HC123	Hitachi	HD74HC123	
	Mitsubishi	M74HC123A	
	National	MM74HC123	
		MM74HC123A	
	NJR	NJU74HC123	
	SGS-Thomson	M74HC123	
		M74HC123A	
	Signetics	74HC123	
	Toshiba	TC74HC123	
		TC74HC123A	
CD74HC125	Hitachi	HD74HC125	
	Motorola	MC74HC125A	
	National	MM74HC125	
	SGS-Thomson	M74HC125	
	Signetics	74HC125	
	TI	SN74HC125	
	Toshiba	TC74HC125A	
CD74HC126	Hitachi	HD74HC126	
	Motorola	MC74HC126A	
	National	MM74HC126	
	SGS-Thomson	M74HC126	
	Signetics	74HC126	
	TI	SN74HC126	
	Toshiba	TC74HC126A	
CD74HC132	Hitachi	HD74HC132	
	Motorola	MC74HC132A	
	National	MM74HC132	
	NJR	NJU74HC132	
	SGS-Thomson	M74HC132	
	Sharp	LR74HC132	
	Signetics	74HC132	
	TI	SN74HC132	
	Toshiba	TC74HC132A	
CD74HC137	Hitachi	HD74HC137	
	Mitsubishi	M74HC137	
	Motorola	MC74HC137	
	National	MM74HC137	
	NJR	NJU74HC137	
	SGS-Thomson	M74HC137	
	Sharp	LR74HC137	
	Signetics	74HC137	
	TI	SN74HC137	
	Toshiba	TC74HC137A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HC138	Hitachi	HD74HC138	
	Mitsubishi	M74HC138-1	
	Motorola	MC74HC138A	
	National	MM74HC138	
	NJR	NJU74HC138	
	SGS-Thomson	M74HC138	
	Sharp	LR74HC138	
	Signetics	74HC138	
	TI	SN74HC138	
	Toshiba	TC74HC138A	
CD74HC139	Hitachi	HD74HC139	
	Mitsubishi	M74HC139-1	
	Motorola	MC74HC139A	
	National	MM74HC139	
	NJR	NJU74HC139	
	SGS-Thomson	M74HC139	
	Sharp	LR74HC139	
	Signetics	74HC139	
	TI	SN74HC139	
	Toshiba	TC74HC139A	
CD74HC14	Hitachi	HD74HC14	
	Mitsubishi	M74HC14	
	Motorola	MC74HC14A	
	National	MM74HC14	
	NJR	NJU74HC14	
	SGS-Thomson	M74HC14	
	Sharp	LR74HC14	
	Signetics	74HC14	
	TI	SN74HC14	
	Toshiba	TC74HC14A	
CD74HC147	Hitachi	HD74HC147	
	Motorola	MC74HC147	
	National	MM74HC147	
	SGS-Thomson	M74HC147	
	Sharp	LR74HC147	
	Signetics	74HC147	
	TI	SN74HC147	
	Toshiba	TC74HC147A	
CD74HC151	Hitachi	HD74HC151	
	Motorola	MC74HC151	
	National	MM74HC151	
	NJR	NJU74HC151	
	SGS-Thomson	M74HC151	
	Sharp	LR74HC151	
	Signetics	74HC151	
	TI	SN74HC151	
	Toshiba	TC74HC151A	
CD74HC153	Hitachi	HD74HC153	
	Motorola	MC74HC153	
	National	MM74HC153	
	NJR	NJU74HC153	
	SGS-Thomson	M74HC153	
	Sharp	LR74HC153	
	Signetics	74HC153	
	TI	SN74HC153	
	Toshiba	TC74HC153A	
	Universal	US74HC153	
CD74HC154	Hitachi	HD74HC154	
	Motorola	MC74HC154	
	National	MM74HC154	
	SGS-Thomson	M74HC154	
	Signetics	74HC154	
	TI	SN74HC154	
	Toshiba	TC74HC154A	
	Universal	US74HC154	
CD74HC157	Hitachi	HD74HC157	
	Motorola	MC74HC157A	
	National	MM74HC157	
	SGS-Thomson	M74HC157	
	Sharp	LR74HC157	
	Signetics	74HC157	
	TI	SN74HC157	
	Toshiba	TC74HC157A	
	Universal	US74HC157	
CD74HC158	Hitachi	HD74HC158	
	National	MM74HC158	
	SGS-Thomson	M74HC158	
	Sharp	LR74HC158	
	Signetics	74HC158	
	TI	SN74HC158	
	Toshiba	TC74HC158A	
	Universal	US74HC158	
CD74HC160	Hitachi	HD74HC160	
	Mitsubishi	M74HC160	
	Motorola	MC74HC160	

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HC160			(Cont'd)
	National	MM74HC160	
	NJR	NJU74HC160	
	SGS-Thomson	M74HC160	
	Sharp	LR74HC160	
	Signetics	74HC160	
	TI	SN74HC160	
	Toshiba	TC74HC160A	
	Universal	US74HC160	
CD74HC161	Hitachi	HD74HC161	
	National	MM74HC161	
	NJR	NJU74HC161	
	SGS-Thomson	M74HC161	
	Sharp	LR74HC161	
	Signetics	74HC161	
	TI	SN74HC161	
	Toshiba	TC74HC161A	
	Universal	US74HC161	
CD74HC162	Hitachi	HD74HC162	
	Mitsubishi	M74HC162	
	Motorola	MC74HC162	
	National	MM74HC162	
	NJR	NJU74HC162	
	SGS-Thomson	M74HC162	
	Sharp	LR74HC162	
	Signetics	74HC162	
	TI	SN74HC162	
	Toshiba	TC74HC162A	
	Universal	US74HC162	
CD74HC163	Hitachi	HD74HC163	
	National	MM74HC163	
	NJR	NJU74HC163	
	Panasonic	MN74HC163	
	SGS-Thomson	M74HC163	
	Sharp	LR74HC163	
	Signetics	74HC163	
	TI	SN74HC163	
	Toshiba	TC74HC163A	
	Universal	US74HC163	
CD74HC164	Hitachi	HD74HC164	
	Motorola	MC74HC164	
	National	MM74HC164	
	NJR	NJU74HC164	
	SGS-Thomson	M74HC164	
	Sharp	LR74HC164	
	Signetics	74HC164	
	TI	SN74HC164	
	Toshiba	TC74HC164A	
	Universal	US74HC164	
CD74HC165	Hitachi	HD74HC165	
	Motorola	MC74HC165	
	National	MM74HC165	
	NJR	NJU74HC165	
	SGS-Thomson	M74HC165	
	Sharp	LR74HC165	
	Signetics	74HC165	
	TI	SN74HC165	
	Toshiba	TC74HC165A	
	Universal	US74HC165	
CD74HC166	Hitachi	HD74HC166	
	National	MM74HC166	
	NJR	NJU74HC166	
	SGS-Thomson	M74HC166	
	Signetics	74HC166	
	TI	SN74HC166	
	Toshiba	TC74HC166A	
CD74HC173	Hitachi	HD74HC173	
	Motorola	MC74HC173	
	National	MM74HC173	
	SGS-Thomson	M74HC173	
	Sharp	LR74HC173	
	Signetics	74HC173	
	TI	SN74HC173	
	Toshiba	TC74HC173A	
	Universal	US74HC173	
CD74HC174	Hitachi	HD74HC174	
	Motorola	MC74HC174A	
	National	MM74HC174	
	NJR	NJU74HC174	
	SGS-Thomson	M74HC174	
	Sharp	LR74HC174	
	Signetics	74HC174	
	TI	SN74HC174	
	Toshiba	TC74HC174A	
	Universal	US74HC174	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Harris Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
CD74HC175	Hitachi	HD74HC175	
	Motorola	MC74HC175	
	National	MM74HC175	
	NJR	NJU74HC175	
	SGS-Thomson	M74HC175	
	Sharp	LR74HC175	
	Signetics	74HC175	
	TI	SN74HC175	
	Toshiba	TC74HC175A	
	Universal	US74HC175	
CD74HC181	National	MM74HC181	
	SGS-Thomson	M74HC181	
	Signetics	74HC181	
	Toshiba	TC74HC181A	
CD74HC182	Hitachi	HD74HC182	
	National	MM74HC182	
	SGS-Thomson	M74HC182	
	Signetics	74HC182	
	Toshiba	TC74HC182A	
CD74HC190	Hitachi	HD74HC190	
	Mitsubishi	74HC190	
	National	MM74HC190	
	SGS-Thomson	M74HC190	
	Signetics	74HC190	
	TI	SN74HC190	
	Toshiba	TC74HC190A	
	Universal	US74HC190	
CD74HC191	GoldStar	GD74HC191	
	Hitachi	HD74HC191	
	Mitsubishi	M74HC191	
	National	MM74HC191	
	SGS-Thomson	M74HC191	
	Signetics	74HC191	
	TI	SN74HC191	
	Toshiba	TC74HC191A	
	Universal	US74HC191	
CD74HC192	Hitachi	HD74HC192	
	Mitsubishi	M74HC192	
	National	MM74HC192	
	NJR	NJU74HC192	
	SGS-Thomson	M74HC192	
	Signetics	74HC192	
	TI	SN74HC192	
	Toshiba	TC74HC192A	
	Universal	US74HC192	
CD74HC193	Hitachi	HD74HC193	
	Mitsubishi	M74HC193	
	National	MM74HC193	
	SGS-Thomson	M74HC193	
	Signetics	74HC193	
	TI	SN74HC193	
	Toshiba	TC74HC193A	
	Universal	US74HC193	
CD74HC194	Hitachi	HD74HC194	
	Mitsubishi	M74HC194	
	Motorola	MC74HC194	
	National	MM74HC194	
	NJR	NJU74HC194	
	SGS-Thomson	M74HC194	
	Sharp	LR74HC194	
	Signetics	74HC194	
	TI	SN74HC194	
	Toshiba	TC74HC194A	
	Universal	US74HC194	
CD74HC195	Hitachi	HD74HC195	
	Mitsubishi	M74HC195	
	Motorola	MC74HC195	
	National	MM74HC195	
	NJR	NJU74HC195	
	SGS-Thomson	M74HC195	
	Sharp	LR74HC195	
	Signetics	74HC195	
	TI	SN74HC195	
	Toshiba	TC74HC195A	
	Universal	US74HC195	
CD74HC20	Hitachi	HD74HC20	
	Mitsubishi	M74HC20	
	Motorola	MC74HC20	
	National	MM74HC20	
	NJR	NJU74HC20	
	SGS-Thomson	M74HC20	
(Continued)			
CD74HC20 (Cont'd)	Sharp	LR74HC20	
	Signetics	74HC20	
	TI	SN74HC20	
	Toshiba	TC74HC20A	
	Universal	US74HC20	
CD74HC21	Hitachi	HD74HC21	
	NJR	NJU74HC21	
	SGS-Thomson	M74HC21	
	Signetics	74HC21	
	TI	SN74HC21	
	Toshiba	TC74HC21A	
	Universal	US74HC21	
CD74HC221	Hitachi	HD74HC221	
	National	MM74HC221A	
	SGS-Thomson	M74HC221	
		M74HC221A	
	Signetics	74HC221	
	Toshiba	TC74HC221	
	Universal	US74HC221	
CD74HC22106	Harris	CD74HC22106E	
CD74HC22106E	Harris	CD74HC22106	
CD74HC237	Hitachi	HD74HC237	
	Mitsubishi	M74HC237	
	Motorola	MC74HC237	
	National	MM74HC237	
	NJR	NJU74HC237	
	SGS-Thomson	M74HC237	
	Signetics	74HC237	
	TI	SN74HC237	
	Toshiba	TC74HC237A	
CD74HC238	Hitachi	HD74HC238	
	National	MM74HC238	
	NJR	NJU74HC238	
	SGS-Thomson	M74HC238	
	Signetics	74HC238	
	TI	SN74HC238	
	Toshiba	TC74HC238A	
CD74HC240	GoldStar	GD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson	M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
CD74HC241	Hitachi	HD74HC241	
	Mitsubishi	M74HC241	
	Motorola	MC74HC241A	
	National	MM74HC241	
	NJR	NJU74HC241	
	SGS-Thomson	M74HC241	
		M74HC241HV	
	Sharp	LR74HC241	
	Signetics	74HC241	
	TI	SN74HC241	
	Toshiba	TC74HC241A	
CD74HC242	Hitachi	HD74HC242	
	Mitsubishi	M74HC242	
	Motorola	MC74HC242	
	National	MM74HC242	
	SGS-Thomson	M74HC242	
	Sharp	LR74HC242	
	Signetics	74HC242	
	TI	SN74HC242	
	Toshiba	TC74HC242A	
CD74HC243	Mitsubishi	M74HC243	
	National	MM74HC243	
	SGS-Thomson	M74HC243	
	Sharp	LR74HC243	
	Signetics	74HC243	
	TI	SN74HC243	
	Toshiba	TC74HC243A	
CD74HC244	GoldStar	GD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
	Motorola	MC74HC244A	
	National	MM74HC244	
(Continued)			
CD74HC244 (Cont'd)	NJR	NJU74HC244	
	SGS-Thomson	M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
CD74HC245	GoldStar	GD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
	National	MM74HC245	
		MM74HC245A	
	NJR	NJU74HC245	
	SGS-Thomson	M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
CD74HC251	Hitachi	HD74HC251	
	Mitsubishi	M74HC251	
	Motorola	MC74HC251	
	National	MM74HC251	
	SGS-Thomson	M74HC251	
	Sharp	LR74HC251	
	Signetics	74HC251	
	TI	SN74HC251	
	Toshiba	TC74HC251A	
CD74HC253	Hitachi	HD74HC253	
	Mitsubishi	M74HC253	
	Motorola	MC74HC253	
	National	MM74HC253	
	NJR	NJU74HC253	
	SGS-Thomson	M74HC253	
	Sharp	LR74HC253	
	Signetics	PC74HC253	
	TI	SN74HC253	
	Toshiba	TC74HC253	
CD74HC257	Hitachi	HD74HC257	
	Mitsubishi	M74HC257	
	Motorola	MC74HC257	
	National	MM74HC257	
	SGS-Thomson	M74HC257	
	Sharp	LR74HC257	
	Signetics	74HC257	
	TI	SN74HC257	
	Toshiba	TC74HC257A	
CD74HC258	Hitachi	HD74HC258	
	National	MM74HC258	
	SGS-Thomson	M74HC258	
	Signetics	74HC258	
	TI	SN74HC258	
	Toshiba	TC74HC258A	
CD74HC259	Hitachi	HD74HC259	
	Mitsubishi	M74HC259	
	Motorola	MC74HC259	
	National	MM74HC259	
	NJR	NJU74HC259	
	SGS-Thomson	M74HC259	
	Sharp	LR74HC259	
	Signetics	74HC259	
	TI	SN74HC259	
	Toshiba	TC74HC259A	
CD74HC27	Hitachi	HD74HC27	
	Mitsubishi	M74HC27	
	Motorola	MC74HC27	
	National	MM74HC27	
	NJR	NJU74HC27	
	SGS-Thomson	M74HC27	
	Sharp	LR74HC27	
	Signetics	74HC27	
	TI	SN74HC27	
	Toshiba	TC74HC27A	
CD74HC273	GoldStar	GD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson	M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
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CD74HC280	Hitachi	HD74HC280	
	Mitsubishi	M74HC280	
	Motorola	MC74HC280	
	National	MM74HC280	
	SGS-Thomson	M74HC280	
	Sharp	LR74HC280	
	Signetics	74HC280	
	TI	SN74HC280	
	Toshiba	TC74HC280A	
CD74HC283	Mitsubishi	M74HC283	
	National	MM74HC283	
	SGS-Thomson	M74HC283	
	Signetics	74HC283	
	TI	SN74HC283	
	Toshiba	TC74HC283A	
CD74HC297	Signetics	74HC297	
CD74HC299	Motorola	MC74HC299	
	National	MM74HC299	
	SGS-Thomson	M74HC299	
	Sharp	LR74HC299	
	Signetics	74HC299	
	TI	SN74HC299	
	Toshiba	TC74HC299A	
CD74HC30	Hitachi	HD74HC30	
	Mitsubishi	M74HC30	
	Motorola	MC74HC30	
	National	MM74HC30	
	SGS-Thomson	M74HC30	
	Sharp	LR74HC30	
	Signetics	74HC30	
	TI	SN74HC30	
	Toshiba	TC74HC30A	
CD74HC32	Hitachi	HD74HC32	
	Mitsubishi	M74HC32	
	Motorola	MC74HC32A	
	National	MM74HC32	
	NJR	NJU74HC32	
	SGS-Thomson	M74HC32	
	Sharp	LR74HC32	
	Signetics	74HC32	
	TI	SN74HC32	
	Toshiba	TC74HC32A	
CD74HC354	Hitachi	HD74HC354	
	Motorola	MC74HC354	
	National	MM74HC354	
	SGS-Thomson	M74HC354	
	Sharp	LR74HC354	
	Signetics	74HC354	
	TI	SN74HC354	
	Toshiba	TC74HC354A	
CD74HC356	Hitachi	HD74HC356	
	National	MM74HC356	
	SGS-Thomson	M74HC356	
	Sharp	LR74HC356	
	Signetics	74HC356	
	TI	SN74HC356	
	Toshiba	TC74HC356A	
CD74HC365	GoldStar	GD74HC365	
	Hitachi	HD74HC365	
	Motorola	MC74HC365	
	National	MM74HC365	
	SGS-Thomson	M74HC365	
	Sharp	LR74HC365	
	Signetics	74HC365	
	TI	SN74HC365	
	Toshiba	TC74HC365A	
CD74HC366	GoldStar	GD74HC366	
	Hitachi	HD74HC366	
	Motorola	MC74HC366	
	National	MM74HC366	
	SGS-Thomson	M74HC366	
	Sharp	LR74HC366	
	Signetics	74HC366	
	TI	SN74HC366	
	Toshiba	TC74HC366A	
CD74HC367	GoldStar	GD74HC367	
	Hitachi	HD74HC367	
	Mitsubishi	M74HC367	
	Motorola	MC74HC367	
	National	MM74HC367	
	SGS-Thomson	M74HC367	
	Signetics	74HC367	
	TI	SN74HC367	
	Toshiba	TC74HC367A	
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Harris Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HC368	GoldStar	GD74HC368	
	Hitachi	HD74HC368	
	Motorola	MC74HC368	
	National	MM74HC368	
	SGS-Thomson	M74HC368	
	Sharp	LR74HC368	
	Signetics	74HC368	
	TI	SN74HC368	
	Toshiba	TC74HC368A	
CD74HC373	GoldStar	GD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	National	MM74HC373	
	NJR	NJU74HC373	
	SGS-Thomson	M74HC373	
	Sharp	LR74HC373	
	Signetics	74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
CD74HC374	GoldStar	GD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	National	MM74HC374	
	NJR	NJU74HC374	
	SGS-Thomson	M74HC374	
	Sharp	LR74HC374	
	Signetics	74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	
CD74HC377	Hitachi	HD74HC377	
	NJR	NJU74HC377	
	SGS-Thomson	M74HC377	
	Signetics	74HC377	
	TI	SN74HC377	
	Toshiba	TC74HC377A	
CD74HC390	Hitachi	HD74HC390	
	Motorola	MC74HC390	
	National	MM74HC390	
	NJR	NJU74HC390	
	SGS-Thomson	M74HC390	
	Sharp	LR74HC390	
	Signetics	74HC390	
	TI	SN74HC390	
	Toshiba	TC74HC390A	
CD74HC393	Hitachi	HD74HC393	
	Motorola	MC74HC393	
	National	MM74HC393	
	NJR	NJU74HC393	
	SGS-Thomson	M74HC393	
	Sharp	LR74HC393	
	Signetics	74HC393	
	TI	SN74HC393	
	Toshiba	TC74HC393A	
CD74HC4002	Mitsubishi	M74HC4002	
	Motorola	MC74HC4002	
	National	MM74HC4002	
	NJR	NJU74HC4002	
	SGS-Thomson	M74HC4002	
	Sharp	LR74HC4002	
	Signetics	74HC4002	
	TI	SN74HC4002	
	Toshiba	TC74HC4002A	
CD74HC40102	SGS-Thomson	M74HC40102	
	Signetics	74HC40102	
	Toshiba	TC74HC40102A	
CD74HC40103	SGS-Thomson	M74HC40103	
	Signetics	74HC40103	
	Toshiba	TC74HC40103A	
CD74HC40104	Signetics	74HC40104	
CD74HC40105	Signetics	74HC40105	
	Toshiba	TC74HC40105A	
CD74HC4015	Signetics	74HC4015	
CD74HC4016	Motorola	MC74HC4016	
	National	MM74HC4016	
	Signetics	74HC4016	
	Toshiba	TC74HC4016A	
CD74HC4017	Hitachi	HD74HC4017	
	Motorola	MC74HC4017	
	National	MM74HC4017	
	SGS-Thomson	M74HC4017	
	Signetics	74HC4017	
	TI	SN74HC4017	
	Toshiba	TC74HC4017A	
CD74HC4020	Hitachi	HD74HC4020	
	Mitsubishi	M74HC4020	
	National	MM74HC4020	
	NJR	NJU74HC4020	
	SGS-Thomson	M74HC4020	
	Signetics	74HC4020	
	TI	SN74HC4020	
	Toshiba	TC74HC4020A	
CD74HC4024	Hitachi	HD74HC4024	
	Mitsubishi	M74HC4024	
	Motorola	MC74HC4024	
	National	MM74HC4024	
	SGS-Thomson	M74HC4024	
	Sharp	LR74HC4024	
	Signetics	74HC4024	
	TI	SN74HC4024	
	Toshiba	TC74HC4024A	
CD74HC4040	Hitachi	HD74HC4040	
	Mitsubishi	M74HC4040	
	National	MM74HC4040	
	NJR	NJU74HC4040	
	SGS-Thomson	M74HC4040	
	Signetics	74HC4040	
	TI	SN74HC4040	
	Toshiba	TC74HC4040A	
CD74HC4046	Harris	CD74HC4046A	
	Motorola	MC74HC4046A	
	National	MM74HC4046	
	Signetics	74HC4046A	
CD74HC4046A	Harris	CD74HC4046	
	Motorola	MC74HC4046A	
	National	MM74HC4046	
	Signetics	74HC4046A	
CD74HC4049	Mitsubishi	M74HC4049B	
	Motorola	MC74HC4049	
	National	MM74HC4049	
	SGS-Thomson	M74HC4049	
	Signetics	74HC4049	
	Toshiba	TC74HC4049A	
CD74HC4050	Mitsubishi	M74HC4050B	
	Motorola	MC74HC4050	
	National	MM74HC4050	
	SGS-Thomson	M74HC4050	
	Signetics	74HC4050	
	Toshiba	TC74HC4050A	
CD74HC4051	Mitsubishi	M74HC4051	
	Motorola	MC74HC4051	
	National	MM74HC4051	
	SGS-Thomson	M74HC4051	
	Signetics	74HC4051	
	Toshiba	TC74HC4051A	
CD74HC4052	Mitsubishi	M74HC4052	
	Motorola	MC74HC4052	
	National	MM74HC4052	
	Panasonic	MN74HC4052	
	SGS-Thomson	M74HC4052	
	Signetics	74HC4052	
	Toshiba	TC74HC4052A	
CD74HC4053	Mitsubishi	M74HC4053	
	Motorola	MC74HC4053	
	National	MM74HC4053	
	SGS-Thomson	M74HC4053	
	Signetics	74HC4053	
	Toshiba	TC74HC4053A	
CD74HC4059	Signetics	74HC4059	
CD74HC4060	Hitachi	HD74HC4060	
	National	MM74HC4060	
	SGS-Thomson	M74HC4060	
	Signetics	74HC4060	
	TI	SN74HC4060	
	Toshiba	TC74HC4060A	
CD74HC4066	Motorola	MC74HC4066	
	National	MM74HC4066	
	NJR	NJU74HC4066	
	SGS-Thomson	M74HC4066	

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HC4066			(Cont'd)
	Signetics	74HC4066	
	TI	SN74HC4066	
	Toshiba	TC74HC4066A	
CD74HC4067	Signetics	74HC4067	
CD74HC4075	Mitsubishi	M74HC4075	
	Motorola	MC74HC4075	
	National	MM74HC4075	
	SGS-Thomson	M74HC4075	
	Sharp	LR74HC4075	
	Signetics	74HC4075	
	TI	SN74HC4075	
	Toshiba	TC74HC4075A	
CD74HC4094	SGS-Thomson	M74HC4094	
	Signetics	74HC4094	
	Toshiba	TC74HC4094A	
CD74HC42	Hitachi	HD74HC42	
	Mitsubishi	M74HC42	
	Motorola	MC74HC42	
	National	MM74HC42	
	SGS-Thomson	M74HC42	
	Sharp	LR74HC42	
	Signetics	74HC42	
	TI	SN74HC42	
	Toshiba	TC74HC42A	
CD74HC423	Hitachi	HD74HC423	
	National	MM74HC423A	
	SGS-Thomson	M74HC423	
		M74HC423A	
	Signetics	74HC423	
	Toshiba	TC74HC423	
		TC74HC423A	
CD74HC4316	Motorola	MC74HC4316	
	National	MM74HC4316	
	SGS-Thomson	M74HC4316	
	Signetics	74HC4316	
	Toshiba	TC74HC4316A	
CD74HC4351	Motorola	MC74HC4351	
	SGS-Thomson	M74HC4351	
	Signetics	74HC4351	
	Toshiba	TC74HC4351A	
CD74HC4352	Motorola	MC74HC4352	
	SGS-Thomson	M74HC4352	
	Signetics	74HC4352	
	Toshiba	TC74HC4352A	
CD74HC4353	Motorola	MC74HC4353	
	SGS-Thomson	M74HC4353	
	Signetics	74HC4353	
	Toshiba	TC74HC4353A	
CD74HC4510	Signetics	74HC4510	
CD74HC4511	Hitachi	HD74HC4511	
	Motorola	MC74HC4511	
	National	MM74HC4511	
	SGS-Thomson	M74HC4511	
	Sharp	LR74HC4511	
	Signetics	74HC4511	
	Toshiba	TC74HC4511A	
CD74HC4514	Hitachi	HD74HC4514	
	Motorola	MC74HC4514	
	National	MM74HC4514	
	SGS-Thomson	M74HC4514	
	Sharp	LR74HC4514	
	Signetics	74HC4514	
	TI	SN74HC4514	
	Toshiba	TC74HC4514A	
CD74HC4515	Hitachi	HD74HC4515	
	Signetics	74HC4515	
	TI	SN74HC4515	
	Toshiba	TC74HC4515A	
CD74HC4516	Signetics	74HC4516	
CD74HC4518	Hitachi	HD74HC4518	
	National	MM74HC4518	
	SGS-Thomson	M74HC4518	
	Signetics	74HC4518	
	Toshiba	TC74HC4518A	
CD74HC4520	Hitachi	HD74HC4520	
	National	MM74HC4520	
	Signetics	74HC4520	
	Toshiba	TC74HC4520A	
CD74HC4538	Hitachi	HD74HC4538	
	Motorola	MC74HC4538A	
	National	MM74HC4538	

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HC4538			(Cont'd)
	SGS-Thomson	M74HC4538	
	Signetics	74HC4538	
	Toshiba	TC74HC4538A	
CD74HC4543	Hitachi	HD74HC4543	
	National	MM74HC4543	
	SGS-Thomson	M74HC4543	
	Sharp	LR74HC4543	
	Signetics	74HC4543	
	Toshiba	TC74HC4543A	
CD74HC533	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
	Motorola	MC74HC533A	
	National	MM74HC533	
	NJR	NJU74HC533	
	SGS-Thomson	M74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
CD74HC534	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
	Motorola	MC74HC534A	
	National	MM74HC534	
	NJR	NJU74HC534	
	SGS-Thomson	M74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
CD74HC540	Hitachi	HD74HC540	
	Mitsubishi	M74HC540	
	Motorola	MC74HC540	
	National	MM74HC540	
	SGS-Thomson	M74HC540	
	Signetics	74HC540	
	TI	SN74HC540	
	Toshiba	TC74HC540A	
CD74HC541	Hitachi	HD74HC541	
	Mitsubishi	M74HC541	
	Motorola	MC74HC541	
	National	MM74HC541	
	SGS-Thomson	M74HC541	
	Sharp	LR74HC541	
	Signetics	74HC541	
	TI	SN74HC541	
	Toshiba	TC74HC541A	
CD74HC563	Hitachi	HD74HC563	
	Motorola	MC74HC563	
	National	MM74HC563	
	SGS-Thomson	M74HC563	
	Sharp	LR74HC563	
	Signetics	74HC563	
	TI	SN74HC563	
	Toshiba	TC74HC563A	
CD74HC564	Hitachi	HD74HC564	
	Motorola	MC74HC564	
	National	MM74HC564	
	SGS-Thomson	M74HC564	
	Sharp	LR74HC564	
	Signetics	74HC564	
	TI	SN74HC564	
	Toshiba	TC74HC564A	
CD74HC573	Hitachi	HD74HC573	
	Motorola	MC74HC573A	
	National	MM74HC573	
	SGS-Thomson	M74HC573	
	Signetics	74HC573	
	TI	SN74HC573	
	Toshiba	TC74HC573A	
CD74HC574	Hitachi	HD74HC574	
	Motorola	MC74HC574A	
	National	MM74HC574	
	SGS-Thomson	M74HC574	
	Sharp	LR74HC574	
	Signetics	74HC574	
	TI	SN74HC574	
	Toshiba	TC74HC574A	
CD74HC583	Signetics	74HC583	
CD74HC597	Hitachi	HD74HC597	
	Motorola	MC74HC597	
	National	MM74HC597	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Harris Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HC597			(Cont'd)
	SGS-Thomson		
		M74HC597	
	Sharp	LR74HC597	
	Signetics	74HC597	
	Toshiba	TC74HC597A	
CD74HC640	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
	Motorola	MC74HC640A	
	National	MM74HC640	
	NJR	NJU74HC640	
	SGS-Thomson		
		M74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	
CD74HC643	Hitachi	HD74HC643	
	Mitsubishi	M74HC643	
		M74HC643-1	
	National	MM74HC643	
	NJR	NJU74HC643	
	SGS-Thomson		
		M74HC643	
	Sharp	LR74HC643	
	Signetics	74HC643	
	TI	SN74HC643	
	Toshiba	TC74HC643A	
CD74HC646	Motorola	MC74HC646	
	National	MM74HC646	
	SGS-Thomson		
		M74HC646	
	Signetics	74HC646	
	TI	SN74HC646	
	Toshiba	TC74HC646A	
CD74HC648	Motorola	MC74HC648	
	National	MM74HC648	
	SGS-Thomson		
		M74HC648	
	Signetics	74HC648	
	TI	SN74HC648	
	Toshiba	TC74HC648A	
CD74HC651	SGS-Thomson		
		M74HC651	
	TI	SN74HC651	
	Toshiba	TC74HC651A	
CD74HC652	SGS-Thomson		
		M74HC652	
	TI	SN74HC652	
	Toshiba	TC74HC652A	
CD74HC670	GoldStar	GD74HC670	
	Hitachi	HD74HC670	
	Motorola	MC74HC670	
	SGS-Thomson		
		M74HC670	
	Signetics	74HC670	
	Toshiba	TC74HC670A	
CD74HC688	Hitachi	HD74HC688	
	Motorola	MC74HC688	
	National	MM74HC688	
	SGS-Thomson		
		M74HC688	
	Sharp	LR74HC688	
	Signetics	74HC688	
	TI	SN74HC688	
	Toshiba	TC74HC688A	
CD74HC7030	Signetics	74HC7030	
CD74HC7046	Harris	CD74HC7046A	
	Signetics	74HC7046A	
CD74HC7046A			
	Harris	CD74HC7046	
	Signetics	74HC7046A	
CD74HC7266	Motorola	MC74HC7266	
	National	MM74HC7266	
	SGS-Thomson		
		M74HC7266	
	Signetics	74HC7266	
	TI	SN74HC7266	
	Toshiba	TC74HC7266A	
CD74HC73	Hitachi	HD74HC73	
	Mitsubishi	M74HC73	
	Motorola	MC74HC73	
	National	MM74HC73	
	SGS-Thomson		
		M74HC73	
	Signetics	74HC73	
	TI	SN74HC73	
	Toshiba	TC74HC73A	
CD74HC74	GoldStar	GD74HC74	
	Hitachi	HD74HC74	

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Manufacturer Device	Replacement Source	Device	IC Master Page
CD74HC74			(Cont'd)
	Mitsubishi	M74HC74	
	Motorola	MC74HC74A	
	National	MM74HC74	
	NJR	NJU74HC74	
	SGS-Thomson		
		M74HC74	
	Sharp	LR74HC74	
	Signetics	74HC74	
	TI	SN74HC74	
	Toshiba	TC74HC74A	
CD74HC75	Hitachi	HD74HC75	
	Mitsubishi	M74HC75	
	Motorola	MC74HC75	
	National	MM74HC75	
	SGS-Thomson		
		M74HC75	
	Sharp	LR74HC75	
	Signetics	74HC75	
	TI	SN74HC75	
	Toshiba	TC74HC75A	
CD74HC85	Hitachi	HD74HC85	
	Mitsubishi	M74HC85	
	Motorola	MC74HC85	
	National	MM74HC85	
	NJR	NJU74HC85	
	SGS-Thomson		
		M74HC85	
	Sharp	LR74HC85	
	Signetics	74HC85	
	TI	SN74HC85	
	Toshiba	TC74HC85A	
CD74HC86	Hitachi	HD74HC86	
	Mitsubishi	M74HC86	
	Motorola	MC74HC86	
	National	MM74HC86	
	NJR	NJU74HC86	
	SGS-Thomson		
		M74HC86	
	Sharp	LR74HC86	
	Signetics	74HC86	
	TI	SN74HC86	
	Toshiba	TC74HC86A	
CD74HC93	Hitachi	HD74HC93	
	Signetics	74HC93	
CMD27C256	SEEQ	27C256	
CMP01	Motorola	MC1556	
CP80C86	Micro-C	80C86	
CP82C37	Micro-C	82C37	
CP82C37A	**Newbridge**	**CA82C37A**	**(3593)**
CP82C50	Exar	XR16C450	
CP82C50A	Newbridge	CA82C50A	
		CA82C52	**(3593)**
CP82C54	**Newbridge**	**CA82C54**	**(3593)**
CP82C55	Micro-C	82C55	
CP82C55A	**Newbridge**	**CA82C55A**	**(3593)**
CP82C59	Micro-C	82C59	
CP82C59A	**Newbridge**	**CA82C59A**	**(3593)**
CP82C84A	**Newbridge**	**CA82C84A**	**(3593)**
CP82C88	Micro-C	82C88	
	Newbridge	**CA82C88**	**(3593)**
CS22202	Crystal	CS202	
CS80C286	Micro-C	80C286	
CS80C286-12	AMD	N80C286-12	
CS80C286-16	AMD	N80C286-16	
CS80C88	Micro-C	80C88	
CS82C37A	**Newbridge**	**CA82C37A**	**(3593)**
CS82C50A	Newbridge	CA82C50A	
CS82C52	**Newbridge**	**CA82C52**	**(3593)**
CS82C54	**Newbridge**	**CA82C54**	**(3593)**
CS82C55A	**Newbridge**	**CA82C55A**	**(3593)**
CS82C59A	**Newbridge**	**CA82C59A**	**(3593)**
CS82C84A	**Newbridge**	**CA82C84A**	**(3593)**
CS82C88	**Newbridge**	**CA82C88**	**(3593)**
DAC08	Samsung	KDA0800	
DAC1265	Harris	HI565	
DGM182	TI	TL182	
		TL604	
DGM185	TI	TL185	
		TL604	
DGM188	TI	TL188	
		TL610	
DGM191	TI	TL191	
		TL610	
DG200	Siliconix	DG200	
	Unitrode	PIC7513	
DG201	Fujitsu	MB47201	
	LinearTech	LTC201	
	National	LF11201	
	Siliconix	DG201	
DG202	LinearTech	LTC202	
	Siliconix	DG202	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
DG211	National	LF13201	
	Siliconix	DG211	
DG212	National	LF13202	
	Siliconix	DG212	
DG300	Siliconix	DG300	
DG301	Siliconix	DG301	
DG302	Siliconix	DG302	
DG303	Siliconix	DG303	
DG308	Siliconix	DG308	
DG309	Siliconix	DG309	
DG506	Siliconix	DG506	
DG507	Siliconix	DG507	
DG508	Siliconix	DG508	
DG509	Siliconix	DG509	
DG526	Siliconix	DG526	
DG527	Siliconix	DG527	
HAOP07	Burr-Brown	OPA27	
	LinearTech	LT1001	
		OP07	
	National	LM607	
HAOP27	Burr-Brown	OPA27	
HAOP37	Burr-Brown	OPA27	
HA102	Fujitsu	MB3607	
HA1458	Fujitsu	MB3607	
HA2102	AD	OP270	
HA2105	AD	OP270	
HA21458	Fujitsu	MB3607P	
		MB3607PF	
HA2400	Burr-Brown	OPA201	
	Elantec	EHA2400	
	National	LM604	
HA2404	National	LM604	
HA2405	Elantec	EHA2405	
	National	LM604	
HA2406	Elantec	EHA2405	
	National	LM604	
HA2420	AD	SMP11	
	Burr-Brown	SHC5320	
	Signetics	SE5060	
HA2425	AD	SMP11	
	Burr-Brown	SHC5320	
	Signetics	NE5060	
HA2500	AD	OP42	
	Burr-Brown	3507	
	Elantec	EHA2500	
	LinearTech	LT1220	
	National	LM6161	
	Sipex-HSD	SP2500	
HA2502	AD	OP42	
	Elantec	EHA2502	
	LinearTech	LT1220	
	National	LM6161	
	Sipex-HSD	SP2502	
HA2505	AD	OP42	
	Elantec	EHA2505	
	Harris	OP42	
	LinearTech	LT1220	
	National	LM6361	
	Sipex-HSD	SP2505	
HA2510	AD	OP42	
	Burr-Brown	3507	
	Elantec	EHA2510	
	LinearTech	LM118	
		LT118	
	National	LM6161	
	Sipex-HSD	SP2510	
HA2512	AD	OP42	
	Elantec	EHA2512	
	LinearTech	LM118	
		LT118	
	National	LM6161	
	Sipex-HSD	SP2512	
HA2515	AD	OP42	
	Elantec	EHA2515	
	Harris	OP42	
	LinearTech	LM318	
		LT318	
	National	LM6361	
	Sipex-HSD	EHA2515	
		SP2515	
	TI	LM318	
HA2520	AD	OP44	
	Burr-Brown	3507	
	Elantec	EHA2520	
	LinearTech	LT1220	
	National	LH0003	
		LM6164	
	Sipex-HSD	SP2520	
HA2522	AD	OP44	
	Elantec	EHA2522	
	National	LH0003	
		LM6164	
	Sipex-HSD	SP2522	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
HA2525	AD	OP44	
	Elantec	EHA2525	
	National	LH0003	
		LH6364	
	Sipex-HSD	SP2525	
	Unitrode	UC2525	
HA2530	National	LH0024	
HA2535	National	LH0024	
HA2539	Burr-Brown	OPA605	
	Elantec	EHA2539	
		EL2039	
	Signetics	NE5539	
	Sipex-HSD	SP2539	
HA2540	Burr-Brown	OPA605	
	Elantec	EHA2540	
		EL2020	
		EL2030	
		EL2040	
	National	LH0032	
HA2541	Burr-Brown	OPA605	
	Elantec	EL2020	
		EL2030	
		EL2041	
	LinearTech	LT1220	
	National	LM6161	
		LM6361	
HA2542	Burr-Brown	OPA605	
	Elantec	EL2020	
		EL2030	
	National	LH0032	
		LM6164	
HA2544	Elantec	EL2020	
		EL2030	
	LinearTech	LT1224	
HA2600	Burr-Brown	3507	
	Elantec	EHA2600	
	National	LM6161	
	Sipex-HSD	SP2600	
HA2602	Elantec	EHA2602	
	National	LM6161	
	Sipex-HSD	SP2602	
HA2605	AnalogSys	MA332	
		MA333	
		MA362	
	Elantec	EHA2605	
	National	LM6361	
	Sipex-HSD	SP2605	
HA2610	Sipex-HSD	SP2610	
HA2612	Sipex-HSD	SP2612	
HA2615	Sipex-HSD	SP2615	
HA2620	AD	OP64	
	Burr-Brown	3508	
	Elantec	EHA2620	
	National	LM6164	
	Sipex-HSD	SP2620	
HA2622	AD	OP64	
	Elantec	EHA2622	
	National	LM6164	
	Sipex-HSD	SP2622	
HA2625	AD	OP64	
	Elantec	EHA2625	
	National	LH6364	
	Sipex-HSD	SP2625	
HA2630	**Burr-Brown**	**3553**	**(3410)**
HA2640	Burr-Brown	OPA445	
	National	LH0004	
HA2645	Burr-Brown	OPA445	
HA2650	AD	OP227	
		OP271	
	Burr-Brown	OPA2111	
HA2655	AD	OP227	
		OP271	
HA2720	AD	OP22	
HA2725	AD	OP22	
HA4156	AnalogSys	MA374	
	Burr-Brown	OPA404	
HA4600	AD	OP470	
	AnalogSys	MA374	
HA4602	AD	OP470	
HA4605	AD	OP470	
	AnalogSys	MA374	
HA4741	AD	OP11	
	AnalogSys	MA374	
	Burr-Brown	OPA404	
HA4900	AD	CMP04	
HA4902	AD	CMP04	
HA4905	AD	CMP04	
HA5002	Burr-Brown	OPA633	
	Elantec	EL2002	
		EL2003	
		EL2033	
	Exar	XR117	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Harris Semiconductor (Cont'd)			
HA5033	Burr-Brown	OPA633	
	Elantec	EL2002	
		EL2004	
		EL2005	
		EL2033	
	National	LH0033	
HA5062	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
HA5064	AnalogSys	MA374	
	Burr-Brown	OPA404	
HA5082	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
HA5084	AnalogSys	MA374	
	Burr-Brown	OPA404	
HA5100	Burr-Brown	OPA606	
HA5102	AD	OP270	
	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
	Elantec	EL2224	
	Fujitsu	MB3607P	
		MB3607PF	
	Signetics	NE5532	
		SE5532	
HA5104	AD	OP470	
	AnalogSys	MA374	
	Burr-Brown	OPA404	
HA5110	Burr-Brown	3551	
HA5112	**AD**	**SSM2139 (3337, 3343, 3354)**	
	AnalogSys	MA372	
	Burr-Brown	OPA2111	
	Elantec	EL2223	
HA5114	Burr-Brown	OPA404	
	Elantec	EL2423	
HA5127	AD	OP27	
	Harris	OP27	
HA513	Burr-Brown	OPA27	
HA5130	AD	OP177	
		OP77	
	LinearTech	LT1001	
		OP07	
	TI	OP07	
HA5134	AD	OP400	
HA5135	AD	OP177	
		OP77	
	LinearTech	LT1001	
		OP07	
	Signetics	SE5534	
	TI	OP07	
HA5137	AD	OP37	
	Harris	OP37	
HA5141	AD	OP20	
		OP90	
	Burr-Brown	OPA21	
HA5142	AD	OP220	
		OP290	
	Burr-Brown	OPA2111	
HA5144	AD	OP420	
	Burr-Brown	OPA404	
HA5147	Burr-Brown	OPA37	
HA5151	AD	OP21	
		OP221	
		OP90	
HA5152	AD	OP221	
HA5154	AD	OP420	
		OP421	
HA5160	AD	OP44	
	Burr-Brown	OPA602	
HA5162	AD	OP44	
	National	LH0062	
HA5170	AD	OP43	
	AnalogSys	MA333	
		MA362	
	Burr-Brown	OPA111	
HA5177	AD	OP177	
		OP77	
HA5180	AD	OP43	
	Burr-Brown	OPA111	
	National	LH0052	
HA5190	AD	OP64	
	Burr-Brown	OPA605	
	Elantec	EHA5190	
		EL2020	
		EL2190	
HA5195	AD	OP64	
	Elantec	EHA5195	
		EL2020	
		EL2195	

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Manufacturer Device	Replacement Source	Device	IC Master Page
HA5202	Signetics	NE5532	
HA5320	Burr-Brown	SHC5320	
	Signetics	NE5060	
HA5330	**Burr-Brown**	**SHC803**	**(3420)**
HA535	Burr-Brown	OPA27	
HA7681	Cypress	CY7C281	
HCP82C55	Micro-C	82C55	
HC5502	GEC Plessey	SL7950	
		SL7953	
HC5504	GEC Plessey	SL7950	
		SL7953	
HD15530	GEC Plessey	MA15530	
♦ HD234	Lansdale	HL234	
♦ HD245	Lansdale	HL245	
♦ HD246	Lansdale	HL246	
♦ HD248	Lansdale	HL248	
HD4702	SMC	COM5026	
		COM5046	
		COM8126	
		COM8146	
HD6405	SMC	COM5026	
		COM5046	
		COM8126	
		COM8146	
♦ HD6600	Lansdale	HL6600	
HD82C54	UMC	UM82C54	
HD82C55	UMC	UM82C55	
HD82C88	UMC	UM82C88	
HFA0001	Elantec	EL2070	
		EL400	
HFA0002	Elantec	EL2038	
HFA0005	Elantec	EL400	
HF10	Exar	XR1010	
	National	MF10	
HIDAC16	Burr-Brown	DAC700	
		DAC703	
		DAC71	
		DAC72	
HI1818	AD	MUX08	
HI1828	AD	MUX24	
HI200	AD	SW05	
	Siliconix	DG200	
	Unitrode	PIC7513	
HI201	AD	SW201	
	Fujitsu	MB47201	
		MB47201P	
		MB47201PF	
	National	LF13201	
	Siliconix	DG201	
HI300	AD	SW05	
	National	AH5020	
	Siliconix	DG300	
HI301	Siliconix	DG301	
HI302	Siliconix	DG302	
HI303	AD	SW06	
	Siliconix	DG303	
HI304	Siliconix	DG304	
HI305	Siliconix	DG305	
HI306	Siliconix	DG306	
HI307	Siliconix	DG307	
HI381	AD	SW05	
	Siliconix	DG381	
HI384	Siliconix	DG405	
HI387	Siliconix	DG387	
HI390	AD	SW06	
	Siliconix	DG403	
HI5041	Siliconix	SG401	
HI5043	Siliconix	DG403	
HI5045	Siliconix	DG405	
HI506	AD	MUX16	
	Burr-Brown	HI506	
		MPC16	
	Siliconix	DG506	
		DG526	
HI507	AD	MUX28	
	Burr-Brown	HI507	
		MPC8	
	Siliconix	DG507	
		DG527	
HI508	AD	MUX08	
	Burr-Brown	HI508	
		MPC8	
	Siliconix	DG458	
		DG508	
		DG528	
HI509	Burr-Brown	HI509	
		MPC4	
	Siliconix	DG459	
		DG509	
		DG529	
HI516	Burr-Brown	MPC800	
HI518	Burr-Brown	MPC801	
HI5618	Signetics	MC1408-9	

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Manufacturer Device	Replacement Source	Device	IC Master Page
HI562	AD	PM562	
HI5660	Burr-Brown	DAC80	
		DAC85	
		DAC87	
HI5680	Burr-Brown	DAC80	
HI5685	Burr-Brown	DAC85	
	MicroNet	DAC80	
		DAC85	
HI5687	Burr-Brown	DAC87	
HI5690	Burr-Brown	DAC80	
HI5695	Burr-Brown	DAC85	
		DAC87	
HI574	Burr-Brown	ADC574	
	MicroPwr	MP574	
	Signal Proc	HADC574	
	Sipex-HSD	HS574	
HI574A	MicroNet	MN574A	
HI5811	Burr-Brown	DAC811	
HI674	Burr-Brown	ADC674	
	Harris	HI674	
	Signal Proc	HADC674	
HI7541	AD	PM7541	
HI774	MicroNet	MN774	
♦ HM0104	Lansdale	HL0104	
♦ HM0168	Lansdale	HL0168	
♦ HM0186	Lansdale	HL0186	
♦ HM0198	Lansdale	HL0198	
♦ HM0410	Lansdale	HL0410	
HM20256	SGS-Thomson		
		MK4832	
HM435101	Hughes	H1822	
HM6116	SGS-Thomson		
		MK6116	
HM6402	SMC	COM8017	
HM6403	SMC	COM8502	
HM65162	Cypress	CY6116	
HM65261	SGS-Thomson		
		IMS1403	
HM65262	Cypress	CY7C167	
HM6551	Gould AMI	S6551	
HM65747	SGS-Thomson		
		IMS1203	
HM65748	SGS-Thomson		
		IMS1223	
HM65764	SGS-Thomson		
		IMS1630	
HM65767	SGS-Thomson		
		IMS1403	
HM65768	SGS-Thomson		
		IMS1423	
		MK41H68	
HM65787	SGS-Thomson		
		IMS1600	
♦ HM7602	Lansdale	HL7602	
♦ HM7603	Lansdale	HL7603	
♦ HM7610	Lansdale	HL7610	
♦ HM7611	Lansdale	HL7611	
♦ HM76161	Lansdale	HL76161	
	AMD	AM27PS291	
	Cypress	CY7C291	
		CY7C292	
♦ HM76161	Waferscale	WS57C191	
♦ HM76165	Lansdale	HL76165	
♦ HM7620	Lansdale	HL7620	
♦ HM7621	Lansdale	HL7621	
♦ HM76321	Lansdale	HL76321	
	ICT	27CX321	
HM76321A-5	ICT	27CX321C-45	
♦ HM7640	Lansdale	HL7640	
♦ HM7641	Lansdale	HL7641	
♦ HM7642	Lansdale	HL7642	
♦ HM7643	Lansdale	HL7643	
♦ HM7649	Lansdale	HL7649	
♦ HM76641	Lansdale	HL76641	
	Cypress	CY7C264	
	ICT	27CX641	
	Microchip	27HC641	
	NEC	μPD27HC65	
	Waferscale	WS57C49	
HM76641A-5	ICT	27CX641C-45	
♦ HM7681	Lansdale	HL7681	
	Cypress	CY7C282	
♦ HM7685	Lansdale	HL7685	
HPL16LC8	Cypress	CYPALC16L8	
	Lattice	GAL16V8	
	Samsung	CPL16L8	
HPL16RC4	Cypress	CYPALC16R4	
	Lattice	GAL16V8	
	Samsung	CPL16R4	
HPL16RC6	Cypress	CYPALC16R6	
	Lattice	GAL16V8	
	Samsung	CPL16R6	

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Manufacturer Device	Replacement Source	Device	IC Master Page
HPL16RC8	Cypress	CYPALC16R8	
	Lattice	GAL16V8	
	Samsung	CPL16R8	
HPL77209	AMD	AMPAL16L8	
HPL77215	AMD	AMPAL16H8	
♦ HPROM0512	**Lansdale**	**HL0512**	**(3549)**
HS15530	GEC Plessey	MAS15530	
HS3182	Holt	HI8382	
HS3282	Holt	HI8282	
ICH8515	Burr-Brown	OPA541	
ICH8530	National	LH0101	
ICL101	Motorola	LM101	
ICL232	LinearTech	LT1081	
ICL301	Motorola	LM301	
ICL5108	AD	MUX08	
ICL6108	AD	MUX08	
ICL7106	GEC Plessey	ZN450	
		ZN451	
ICL7114	National	ADC1205	
		ADC1225	
ICL7116	GEC Plessey	ZN451	
ICL7126	Samsung	KS7126	
ICL7134	Burr-Brown	DAC708	
		DAC709	
ICL7135	TI	ICL7135	
ICL7145	Burr-Brown	DAC705	
		DAC707	
ICL7146	Burr-Brown	DAC811	
ICL741	Motorola	MC1741	
ICL7605	**Burr-Brown**	**INA101**	**(3412)**
		INA102	**(3412)**
ICL7606	**Burr-Brown**	**INA101**	**(3412)**
		INA102	**(3412)**
ICL7611	AD	OP80	
	TI	TLC271	
ICL7612	TI	TLC271	
ICL7613	TI	TLC271	
ICL7621	Samsung	KA3000	
		KS272	
	TI	TLC272	
ICL7641	Samsung	KS274	
	TI	TLC27L9	
		TLC274	
ICL7642	TI	TLC27M9	
ICL7650	AD	OP177	
	LinearTech	LTC1050	
		LTC1052	
ICL7652	LinearTech	LTC1052	
		LTC7652	
ICL7660	LinearTech	LTC1044	
		LTC1054	
	National	LMC7660	
	Siliconix	SI7660	
ICL7662	Siliconix	SI7661	
ICL7667	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
ICL8001	Motorola	LM111	
ICL8007	AD	OP41	
	Motorola	MC1709	
ICL8008	AD	OP177	
	Motorola	LM301	
ICL8013	Motorola	MC1594	
ICL8017	Motorola	LM301	
ICL8021	AD	OP22	
	Harris	MC1776	
ICL8022	Harris	MC1776	
ICL8023	TLSI	TL8023	
ICL8043	AD	OP215	
	Harris	MC1776	
ICL8048	Harris	MC1776	
ICL8069	GEC Plessey	REF12	
	LinearTech	LM185	
		LM385	
		LT1004	
	MicroPwr	MP5010	
	Motorola	LM385	
	National	LM313	
		LM385	
ICL8500	AD	OP80	
ICM7206	GEC Plessey	MV5089	
ICM7233	**Micrel**	**MIC7233**	**(3575)**
ICM7240	Exar	XR2240	
ICM7555	Exar	XRL555	
	Holt	HI7555	
	Samsung	KS5357	
	Signetics	ICM7555	
	TI	TLC555	
ICM7556	Exar	XRL556	
	Samsung	KS556	
ICM8038	Exar	XR8038	
ICM8240	Exar	XR2240	
IH5009	National	AH5009	
IH5010	National	AH5010	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Harris Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
IH5011	National	AH5011	
IH5012	National	AH5012	
IH5043	Siliconix	DG403	
		DG5043	
IH5108	Burr-Brown	HI508	
		MPC8	
		MPC801	
IH5110	AD	SMP11	
	Burr-Brown	SHC298	
IH5111	AD	SMP11	
IH5112	AD	SMP11	
IH5113	AD	SMP11	
IH5114	AD	SMP11	
IH5115	AD	SMP11	
IH5141	Siliconix	DG401	
IH5143	Siliconix	DG403	
		DG5143	
IH5145	Siliconix	DG405	
IH5208	AD	MUX24	
	Burr-Brown	HI507	
		MPC4	
		MPC801	
IH6108	Burr-Brown	HI508	
		MPC8	
		MPC801	
	National	LF13508	
	Siliconix	DG508	
IH6116	AD	MUX16	
	Burr-Brown	HI506	
		MPC16	
		MPC800	
IH6208	AD	MUX24	
	Siliconix	DG590	
IH6216	AD	MUX28	
	Burr-Brown	HI507	
		MPC8	
♦ IM5600	Lansdale	HL7602	
♦ IM5603	Lansdale	HL7610	
♦ IM5604	Lansdale	HL7620	
♦ IM5605	Lansdale	HL7640	
♦ IM5610	Lansdale	HL7603	
♦ IM5623	Lansdale	HL7611	
♦ IM5624	Lansdale	HL7621	
♦ IM5625	Lansdale	HL7641	
IM6316	Hughes	H23C16	
IM6402	Micro-C	6402	
IM6551	Hughes	H1822	
IM6654	Micro-C	6654	
INA110	Harris	AMP05	
ISP9520	LogicDev	L29C520	
ISP9521	LogicDev	L29C521	
LF13509	National	LF13509	
LF155	LinearTech	LF1055	
		LF155	
LF156	LinearTech	LF156	
LF353	AD	OP215	
	Burr-Brown	OPA2111	
LF355	AD	OP15	
	LinearTech	LF355	
LF356	LinearTech	LF356	
LH2108	LinearTech	LH2108	
LM101	LinearTech	LM101	
LM107	LinearTech	LM107	
LM108	AD	PM1008	
	LinearTech	LM108	
		LT1008	
LM111	LinearTech	LM111	
		LT1011	
		LT111	
LM118	Burr-Brown	3507	
LM124	LinearTech	LT1014	
LM1822	Motorola	MC13010	
LM201	Motorola	LM201	
LM2904	Motorola	LM2904	
LM308	AD	PM1008	
LM311	AD	PM211	
LM324	AD	OP421	
	Motorola	LM324	
LM358	Motorola	LM358	
LM723	Fujitsu	MB3752	
	Motorola	MC1723	
LM741	Motorola	MC1741	
	National	LM741	
LM748	Motorola	MC1748	
MC3358	AnalogSys	MA336	
NE592	Signetics	NE592	
OP05	AD	OP05	
OP07	AD	OP07	
27CX641C-55	ICT	27CX641C-55	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
27C256	Krueger	27C256-150	
		27C256-200	
		27C256-250	
27C64	Krueger	27C64-200	
		27C64-250	
		27C64-300	
5114	Krueger	21C14-150	
		21C14-200	
		21C14-450	
6514	Krueger	21C14-150	
		21C14-200	
		21C14-450	
65162	Micro-C	65162	
7211	Hughes	H7211	
80C286	Krueger	80C286	
82C37	Samsung	KS82C37	
82C54	Samsung	KS82C54	
82C55	Samsung	KS82C55	
82C59	Samsung	KS82C59	
82C84	Samsung	KS82C84	
82C88	Samsung	KS82C88	
8237	Samsung	KS82C37	
8510	Apex	PA01	
8515	Apex	PA01	
8520	**Apex**	**PA07**	**(3379)**
8530	**Apex**	**PA07**	**(3379)**

Hewlett-Packard

HCTL100	National	LM628	

Hitachi

HA11225	Samsung	KA2911	
HA11227	Samsung	KA2261	
HA1125	Samsung	KA2101	
HA11741	Samsung	KA2988	
HA11744	Samsung	KA2944	
HA11745	Samsung	KA2945	
HA12062	Samsung	KA9302	
HA12133	Samsung	KA9301	
HA12402	Allegro		
	Micro	ULN2204	
HA12413	Samsung	KA2243	
HA13007	Allegro		
	Micro	UDN2540	
HA13415	Allegro		
	Micro	UDN2543	
HA13421	Allegro		
	Micro	UDN2993	
	National	LM18293	
HA1364	Samsung	KA2102	
HA16617	Allegro		
	Micro	UDN6118	
		UDQ6118	
HA16631	Samsung	KA6201	
HA17082	National	LF353	
		LF412	
	NJR	NJM082	
	Panasonic	AN1082	
HA17084	National	LF347	
	NJR	NJM084	
	Panasonic	AN1084	
HA17094	National	LM2904	
HA17301	National	LM3301	
HA17324	National	LM324	
HA17339	National	LM339	
	NJR	NJM2901	
HA17358	Fujitsu	MB47358	
		MB47358P	
		MB47358PE	
	National	LM358	
HA17393	Fujitsu	MB47393	
		MB47393P	
		MB47393PF	
	National	LM393	
	NJR	NJM2903	
HA17458	National	LM1458	
	NJR	NJM1458	
	Panasonic	AN1458	
		AN6572	
HA17723	Fujitsu	MB3752	
HA17741	National	LM741	
	NJR	NJM741	
	Panasonic	AN1741	
		AN6570	
HA17747	National	LM747	
HA17805	Gould AMI	S8981	
HA17815	Gould AMI	S35212A	
HA17901	National	LM2901	
	NJR	NJM2901	
	Panasonic	AN6912	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
HA17902	National	LM2902	
	NJR	NJM2902	
	Panasonic	AN1324	
		AN6564	
HA17903	National	LM2903	
	NJR	NJM2903	
	Panasonic	AN1393	
		AN6914	
HA17904	**NJR**	**NJM2904**	**(3594)**
	Panasonic	AN1358	
		AN6562	
HA19209	GEC Plessey	SP973	
HA19501	GEC Plessey	SP97618	
HA7080	Panasonic	AN1081	
HB56A18	Motorola	MCM81000	
	NEC	MC421000A8	
	Samsung	KMM581000	
	Toshiba	THM81000	
	Vitelic	V100AJ8	
HB56A19	Motorola	MCM91000	
	NEC	MC421000A9	
	Samsung	KMM591000	
	Toshiba	THM91000	
	Vitelic	V100AJ9	
HB56A42	NEC	MC424100A8	
HB56A48	Motorola	MCM84000	
	Samsung	KMM584000	
	Toshiba	THM84000	
HB56A49	Motorola	MCM94000	
	NEC	MC424100A9	
	Samsung	KMM594000	
	Toshiba	THM94000	
HB56C18	NEC	MC421000C8	
HB56D132	Toshiba	THM321000	
HB56D136	NEC	MC421000A36	
	Samsung	KMM5361000	
	Toshiba	THM361020	
HB56D232	Toshiba	THM322020	
HB56D236	NEC	MC422000A36	
	Samsung	KMM5362000	
	Toshiba	THM362020	
HB56D25608	Motorola	MCM84256	
	Samsung	KMM58256	
HB56D25609	Motorola	MCM94256	
	Samsung	KMM59256	
HB56D25626	Motorola	MCM36256	
HB56D25636	NEC	MC424256	
	Samsung	KMM536256	
	Toshiba	THM362500	
HB56D51236	Motorola	MCM36512	
	NEC	MC424512A36	
	Samsung	KMM536512	
	Toshiba	THM365120	
HB561003	NEC	MC41256A9	
	Toshiba	THM92500	
HB561008	Toshiba	THM82500	
	Vitelic	V256J8	
HB561009	Vitelic	V256J9	
HB58A19	NEC	MC421000A9	
HB66A2568	Motorola	MCM8256	
HD100136	Micro-C	100136	
HD100141	Micro-C	100141	
HD100164	Micro-C	100164	
HD100171	Micro-C	100171	
HD10422	Micro-C	10422	
HD44100	Samsung	KS0061	
HD44102	Samsung	KS0102	
HD44103	Samsung	KS0101	
HD44780	Samsung	KS0062	
HD46505	Krueger	6845	
HD49011	Samsung	KA9320	
HD49212	Samsung	KA9310	
HD49748	Samsung	KA8316	
♦ HD54HCT240	GEC Plessey	54HCT240SOS	
	Harris	CD54HCT240	
	Motorola	MC54HCT240A	
	National	MM54HCT240	
	Signetics	54HCT240	
	TI	SN54HCT240	
♦ HD54HC620	National	MM54HC620	
	TI	SN54HC620	
HD63B21	Micro-C	63B21	
HD6321	Micro-C	6321	
HD6350	Micro-C	6350	
	Samsung	KS5824	
HD64180	Micro-C	64180	
HD66100	Samsung	KS0063	
HD66840	Samsung	KS0082	
HD68A00	Micro-C	68A00	
HD68A21	Micro-C	68A21	
HD68A40	Micro-C	68A40	
HD68A45	UMC	UM6845	
HD68A50	Micro-C	68A50	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
HD68B00	Micro-C	68B00	
HD68B09	Micro-C	68B09	
HD68B40	Micro-C	68B40	
HD68B44	Micro-C	68B44	
HD68B45	Micro-C	68B45	
	UMC	UM6845	
HD68HC000	Micro-C	68HC000	
HD6800	Krueger	6800	
	Micro-C	6800	
HD68000	Micro-C	68000	
HD6801	Micro-C	6801	
HD6809	Krueger	6809	
	Micro-C	6809	
HD6809E	Krueger	6809E	
HD6821	Micro-C	6821	
HD6845	Krueger	6845	
	UMC	UM6845	
HD6850	Micro-C	6850	
HD6852	Micro-C	6852	
♦ HD74HCT125	Harris	CD74HCT125	
	Signetics	74HCT125	
♦ HD74HCT126	Harris	CD74HCT126	
	Signetics	74HCT126	
♦ HD74HCT137	GEC Plessey	MV74HCT137	
		74HCT137	
♦ HD74HCT137	Harris	CD74HCT137	
	SGS-Thomson		
		M74HCT137	
	Signetics	74HCT137	
	TI	SN74HCT137	
	Toshiba	TC74HCT137	
HD74HCT138	GEC Plessey	MV74HCT138	
		74HCT138	
	Harris	CD74HCT138	
	Mitsubishi	M74HCT138-1	
	Motorola	MC74HCT138A	
	National	MM74HCT138	
	SGS-Thomson		
		M74HCT138	
	Signetics	74HCT138	
	TI	SN74HCT138	
	Toshiba	TC74HCT138A	
♦ HD74HCT237	GEC Plessey	MV74HCT237	
		74HCT237	
♦ HD74HCT237	Harris	CD74HCT237	
	Signetics	74HCT237	
	TI	SN74HCT237	
HD74HCT238	GEC Plessey	MV74HCT238	
		74HCT238	
	Harris	CD74HCT238	
	Signetics	74HCT238	
	TI	SN74HCT238	
HD74HCT240	GEC Plessey	MV74HCT240	
		74HCT240	
	Harris	CD74HCT240	
	Mitsubishi	M74HCT240	
		M74HCT240-1	
	Motorola	MC74HCT240A	
	National	MM74HCT240	
	SGS-Thomson		
		M74HCT240	
	Signetics	74HCT240	
	TI	SN74HCT240	
	Toshiba	TC74HCT240A	
HD74HCT241	GEC Plessey	MV74HCT241	
		74HCT241	
	Harris	CD74HCT241	
	Mitsubishi	M74HCT241	
		M74HCT241-1	
	Motorola	MC74HCT241A	
	National	MM74HCT241	
	SGS-Thomson		
		M74HCT241	
	Signetics	74HCT241	
	TI	SN74HCT241	
	Toshiba	TC74HCT241A	
HD74HCT242	Harris	CD74HCT242	
	Signetics	74HCT242	
	TI	SN74HCT242	
HD74HCT243	Harris	CD74HCT243	
	Signetics	74HCT243	
	TI	SN74HCT243	
HD74HCT244	GEC Plessey	MV74HCT244	
		74HCT244	
	Harris	CD74HCT244	
	Mitsubishi	M74HCT244	
		M74HCT244-1	
	Motorola	MC74HCT244A	
	National	MM74HCT244	
	SGS-Thomson		
		M74HCT244	
	Signetics	74HCT244	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Hitachi			**(Cont'd)**
HD74HCT244			(Cont'd)
	TI	SN74HCT244	
	Toshiba	TC74HCT244A	
HD74HCT245	GEC Plessey	MV74HCT245	
		74HCT245	
	Harris	CD74HCT245	
	Mitsubishi	M74HCT245-1	
	Motorola	MC74HCT245A	
	National	MM74HCT245	
	SGS-Thomson		
		M74HCT245	
	Signetics	74HCT245	
	TI	SN74HCT245	
	Toshiba	TC74HCT245A	
HD74HCT373	GEC Plessey	MV74HCT373	
		74HCT373	
	GoldStar	GD74HCT373	
	Harris	CD74HCT373	
	Mitsubishi	M74HCT373-1	
	Motorola	MC74HCT373A	
	National	MM74HCT373	
	SGS-Thomson		
		M74HCT373	
	Signetics	74HCT373	
	TI	SN74HCT373	
	Toshiba	TC74HCT373A	
HD74HCT374	GEC Plessey	MV74HCT374	
		74HCT374	
	GoldStar	GD74HCT374	
	Harris	CD74HCT374	
	Mitsubishi	M74HCT374-1	
	Motorola	MC74HCT374A	
	National	MM74HCT374	
	SGS-Thomson		
		M74HCT374	
	Signetics	74HCT374	
	TI	SN74HCT374	
	Toshiba	TC74HCT374A	
HD74HCT533	GEC Plessey	MV74HCT533	
		74HCT533	
	Harris	CD74HCT533	
	Mitsubishi	M74HCT533-1	
	Motorola	MC74HCT533A	
	National	MM74HCT533	
	SGS-Thomson		
		M74HCT533	
	Signetics	74HCT533	
	TI	SN74HCT533	
	Toshiba	TC74HCT533A	
HD74HCT534	GEC Plessey	MV74HCT534	
		74HCT534	
	Harris	CD74HCT534	
	Mitsubishi	M74HCT534-1	
	Motorola	MC74HCT534A	
	National	MM74HCT534	
	SGS-Thomson		
		M74HCT534	
	Signetics	74HCT534	
	TI	SN74HCT534	
	Toshiba	TC74HCT534A	
♦ HD74HCT540	GEC Plessey	MV74HCT540	
		74HCT540	
♦ HD74HCT540	Harris	CD74HCT540	
	Motorola	MC74HCT540	
	National	MM74HCT540	
	SGS-Thomson		
		M74HCT540	
	Signetics	74HCT540	
	TI	SN74HCT540	
	Toshiba	TC74HCT540A	
♦ HD74HCT541	GEC Plessey	MV74HCT541	
		74HCT541	
♦ HD74HCT541	Harris	CD74HCT541	
	National	MM74HCT541	
	SGS-Thomson		
		M74HCT541	
	Signetics	74HCT541	
	TI	SN74HCT541	
	Toshiba	TC74HCT541A	
♦ HD74HCT563	GEC Plessey	MV74HCT563	
		74HCT563	
♦ HD74HCT563	Harris	CD74HCT563	
	SGS-Thomson		
		M74HCT563	
	Signetics	74HCT563	
	TI	SN74HCT563	
	Toshiba	TC74HCT563A	
♦ HD74HCT564	GEC Plessey	MV74HCT564	
		74HCT564	
♦ HD74HCT564	Harris	CD74HCT564	
	National	MM74HCT564	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ HD74HCT564			(Cont'd)
	SGS-Thomson		
		M74HCT564	
	Signetics	74HCT564	
	TI	SN74HCT564	
	Toshiba	TC74HCT564A	
♦ HD74HCT573	GEC Plessey	MV74HCT573	
		74HCT573	
♦ HD74HCT573	Harris	CD74HCT573	
	Motorola	MC74HCT573A	
	National	MM74HCT573	
	SGS-Thomson		
		M74HCT573	
	Signetics	74HCT573	
	TI	SN74HCT573	
	Toshiba	TC74HCT573A	
♦ HD74HCT574	GEC Plessey	MV74HCT574	
		74HCT574	
♦ HD74HCT574	Harris	CD74HCT574	
	Motorola	MC74HCT574A	
	National	MM74HCT574	
	SGS-Thomson		
		M74HCT574	
	Signetics	74HCT574	
	TI	SN74HCT574	
	Toshiba	TC74HCT574A	
♦ HD74HCT620	TI	SN74HCT620	
♦ HD74HCT623	TI	SN74HCT623	
♦ HD74HCT640	Harris	CD74HCT640	
	Mitsubishi	M74HCT640-1	
	Motorola	MC74HCT640A	
	National	MM74HCT640	
	SGS-Thomson		
		M74HCT640	
	Signetics	74HCT640	
	TI	SN74HCT640	
	Toshiba	TC74HCT640A	
	Universal	US74HCT640	
♦ HD74HCT643	Harris	CD74HCT643	
	Mitsubishi	M74HCT643-1	
	National	MM74HCT643	
	SGS-Thomson		
		M74HCT643	
	Signetics	74HCT643	
	TI	SN74HCT643	
	Toshiba	TC74HCT643A	
♦ HD74HCT646	Harris	CD74HCT646	
	Motorola	MC74HCT646	
	SGS-Thomson		
		M74HCT646	
	Signetics	74HCT646	
	TI	SN74HCT646	
	Toshiba	TC74HCT646A	
♦ HD74HCT648	Harris	CD74HCT648	
	SGS-Thomson		
		M74HCT648	
	Signetics	74HCT648	
	TI	SN74HCT648	
	Toshiba	TC74HCT648A	
♦ HD74HCT651	Harris	CD74HCT651	
	SGS-Thomson		
		M74HCT651	
	TI	SN74HCT651	
	Toshiba	TC74HCT651A	
♦ HD74HCT652	Harris	CD74HCT652	
	SGS-Thomson		
		M74HCT652	
	TI	SN74HCT652	
	Toshiba	TC74HCT652A	
♦ HD74HCT688	Harris	CD74HCT688	
	National	MM74HCT688	
	SGS-Thomson		
		M74HCT688	
	Signetics	74HCT688	
	Toshiba	TC74HCT688A	
HD74HC00	GoldStar	GD74HC00	
	Harris	CD74HC00	
	Motorola	MC74HC00A	
	National	MM74HC00	
	NJR	NJU74HC00	
	SGS-Thomson		
		M74HC00	
	Sharp	LR74HC00	
	Signetics	74HC00	
	TI	SN74HC00	
	Toshiba	TC74HC00A	
HD74HC01	TI	SN74HC01	
HD74HC02	GoldStar	GD74HC02	
	Harris	CD74HC02	
	Motorola	MC74HC02A	
	National	MM74HC02	
	NJR	NJU74HC02	
	SGS-Thomson		
		M74HC02	

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Manufacturer Device	Replacement Source	Device	IC Master Page
HD74HC02			(Cont'd)
	Sharp	LR74HC02	
	Signetics	74HC02	
	TI	SN74HC02	
	Toshiba	TC74HC02A	
HD74HC04	Harris	CD74HC04	
	Motorola	MC74HC04A	
	National	MM74HC04	
	NJR	NJU74HC04	
	SGS-Thomson		
		M74HC04	
	Sharp	LR74HC04	
	Signetics	74HC04	
	TI	SN74HC04	
	Toshiba	TC74HC04A	
HD74HC08	Harris	CD74HC08	
	Motorola	MC74HC08A	
	National	MM74HC08	
	NJR	NJU74HC08	
	SGS-Thomson		
		M74HC08	
	Sharp	LR74HC08	
	Signetics	74HC08	
	TI	SN74HC08	
	Toshiba	TC74HC08A	
HD74HC09	Mitsubishi	M74HC09	
	NJR	NJU74HC09	
	TI	SN74HC09	
	Toshiba	TC74HC09A	
HD74HC10	Harris	CD74HC10	
	Motorola	MC74HC10	
	National	MM74HC10	
	NJR	NJU74HC10	
	SGS-Thomson		
		M74HC10	
	Sharp	LR74HC10	
	Signetics	74HC10	
	TI	SN74HC10	
	Toshiba	TC74HC10A	
HD74HC107	Harris	CD74HC107	
	Motorola	MC74HC107	
	National	MM74HC107	
	SGS-Thomson		
		M74HC107	
	Sharp	LR74HC107	
	Signetics	74HC107	
	TI	SN74HC107	
	Toshiba	TC74HC107A	
HD74HC109	Harris	CD74HC109	
	Motorola	MC74HC109	
	National	MM74HC109	
	NJR	NJU74HC109	
	SGS-Thomson		
		M74HC109	
	Sharp	LR74HC109	
	Signetics	74HC109	
	TI	SN74HC109	
	Toshiba	TC74HC109A	
HD74HC11	Harris	CD74HC11	
	Motorola	MC74HC11	
	National	MM74HC11	
	NJR	NJU74HC11	
	SGS-Thomson		
		M74HC11	
	Sharp	LR74HC11	
	Signetics	74HC11	
	TI	SN74HC11	
	Toshiba	TC74HC11A	
HD74HC112	Harris	CD74HC112	
	Motorola	MC74HC112	
	National	MM74HC112	
	NJR	NJU74HC112	
	SGS-Thomson		
		M74HC112	
	Sharp	LR74HC112	
	Signetics	74HC112	
	TI	SN74HC112	
	Toshiba	TC74HC112A	
HD74HC113	Mitsubishi	M74HC113	
	Motorola	MC74HC113	
	National	MM74HC113	
	NJR	NJU74HC113	
	SGS-Thomson		
		M74HC113	
	Sharp	LR74HC113	
	TI	SN74HC113	
	Toshiba	TC74HC113A	
HD74HC114	Mitsubishi	M74HC114	
	NJR	NJU74HC114	
	TI	SN74HC114	
HD74HC123	Harris	CD74HC123	
	Mitsubishi	M74HC123A	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
HD74HC123			(Cont'd)
	National	MM74HC123	
		MM74HC123A	
	NJR	NJU74HC123	
	SGS-Thomson		
		M74HC123	
		M74HC123A	
	Signetics	74HC123	
	Toshiba	TC74HC123	
		TC74HC123A	
HD74HC125	Harris	CD74HC125	
	Motorola	MC74HC125A	
	National	MM74HC125	
	SGS-Thomson		
		M74HC125	
	Signetics	74HC125	
	TI	SN74HC125	
	Toshiba	TC74HC125A	
HD74HC126	Harris	CD74HC126	
	Motorola	MC74HC126A	
	National	MM74HC126	
	SGS-Thomson		
		M74HC126	
	Signetics	74HC126	
	TI	SN74HC126	
	Toshiba	TC74HC126A	
HD74HC132	Harris	CD74HC132	
	Motorola	MC74HC132A	
	National	MM74HC132	
	NJR	NJU74HC132	
	SGS-Thomson		
		M74HC132	
	Sharp	LR74HC132	
	Signetics	74HC132	
	TI	SN74HC132	
	Toshiba	TC74HC132A	
HD74HC133	Motorola	MC74HC133	
	National	MM74HC133	
	SGS-Thomson		
		M74HC133	
	TI	SN74HC133	
	Toshiba	TC74HC133A	
HD74HC137	Harris	CD74HC137	
	Mitsubishi	M74HC137	
	Motorola	MC74HC137	
	National	MM74HC137	
	NJR	NJU74HC137	
	SGS-Thomson		
		M74HC137	
	Sharp	LR74HC137	
	Signetics	74HC137	
	TI	SN74HC137	
	Toshiba	TC74HC137A	
HD74HC138	Harris	CD74HC138	
	Mitsubishi	M74HC138-1	
	Motorola	MC74HC138A	
	National	MM74HC138	
	NJR	NJU74HC138	
	SGS-Thomson		
		M74HC138	
	Sharp	LR74HC138	
	Signetics	74HC138	
	TI	SN74HC138	
	Toshiba	TC74HC138A	
HD74HC139	Harris	CD74HC139	
	Mitsubishi	M74HC139-1	
	Motorola	MC74HC139A	
	National	MM74HC139	
	NJR	NJU74HC139	
	SGS-Thomson		
		M74HC139	
	Sharp	LR74HC139	
	Signetics	74HC139	
	TI	SN74HC139	
	Toshiba	TC74HC139A	
HD74HC14	Harris	CD74HC14	
	Mitsubishi	M74HC14	
	Motorola	MC74HC14A	
	National	MM74HC14	
	NJR	NJU74HC14	
	SGS-Thomson		
		M74HC14	
	Sharp	LR74HC14	
	Signetics	74HC14	
	TI	SN74HC14	
	Toshiba	TC74HC14A	
HD74HC147	Harris	CD74HC147	
	Motorola	MC74HC147	
	National	MM74HC147	
	SGS-Thomson		
		M74HC147	
	Sharp	LR74HC147	
	Signetics	74HC147	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Hitachi (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
HD74HC147 (Cont'd)			
	TI	SN74HC147	
	Toshiba	TC74HC147A	
HD74HC148	National	MM74HC148	
	SGS-Thomson	M74HC148	
	TI	SN74HC148	
	Toshiba	TC74HC148A	
HD74HC151	Harris	CD74HC151	
	Motorola	MC74HC151	
	National	MM74HC151	
	NJR	NJU74HC151	
	SGS-Thomson	M74HC151	
	Sharp	LR74HC151	
	Signetics	74HC151	
	TI	SN74HC151	
	Toshiba	TC74HC151A	
HD74HC152	TI	SN74HC152	
HD74HC153	Harris	CD74HC153	
	Motorola	MC74HC153	
	National	MM74HC153	
	NJR	NJU74HC153	
	SGS-Thomson	M74HC153	
	Sharp	LR74HC153	
	Signetics	74HC153	
	TI	SN74HC153	
	Toshiba	TC74HC153A	
	Universal	US74HC153	
HD74HC154	Harris	CD74HC154	
	Motorola	MC74HC154	
	National	MM74HC154	
	SGS-Thomson	M74HC154	
	Signetics	74HC154	
	TI	SN74HC154	
	Toshiba	TC74HC154A	
	Universal	US74HC154	
HD74HC155	Mitsubishi	M74HC155	
	National	MM74HC155	
	SGS-Thomson	M74HC155	
	Toshiba	TC74HC155A	
HD74HC157	Harris	CD74HC157	
	Motorola	MC74HC157A	
	National	MM74HC157	
	SGS-Thomson	M74HC157	
	Sharp	LR74HC157	
	Signetics	74HC157	
	TI	SN74HC157	
	Toshiba	TC74HC157A	
	Universal	US74HC157	
HD74HC158	Harris	CD74HC158	
	National	MM74HC158	
	SGS-Thomson	M74HC158	
	Sharp	LR74HC158	
	Signetics	74HC158	
	TI	SN74HC158	
	Toshiba	TC74HC158A	
	Universal	US74HC158	
HD74HC160	Harris	CD74HC160	
	Mitsubishi	M74HC160	
	Motorola	MC74HC160	
	National	MM74HC160	
	NJR	NJU74HC160	
	SGS-Thomson	M74HC160	
	Sharp	LR74HC160	
	Signetics	74HC160	
	TI	SN74HC160	
	Toshiba	TC74HC160A	
	Universal	US74HC160	
HD74HC161	Harris	CD74HC161	
	National	MM74HC161	
	NJR	NJU74HC161	
	SGS-Thomson	M74HC161	
	Sharp	LR74HC161	
	Signetics	74HC161	
	TI	SN74HC161	
	Toshiba	TC74HC161A	
	Universal	US74HC161	
HD74HC162	Harris	CD74HC162	
	Mitsubishi	M74HC162	
	Motorola	MC74HC162	
	National	MM74HC162	
	NJR	NJU74HC162	
HD74HC162 (Cont'd)			
	SGS-Thomson	M74HC162	
	Sharp	LR74HC162	
	Signetics	74HC162	
	TI	SN74HC162	
	Toshiba	TC74HC162A	
	Universal	US74HC162	
HD74HC163	Harris	CD74HC163	
	National	MM74HC163	
	NJR	NJU74HC163	
	Panasonic	MN74HC163	
	SGS-Thomson	M74HC163	
	Sharp	LR74HC163	
	Signetics	74HC163	
	TI	SN74HC163	
	Toshiba	TC74HC163A	
	Universal	US74HC163	
HD74HC164	Harris	CD74HC164	
	Motorola	MC74HC164	
	National	MM74HC164	
	NJR	NJU74HC164	
	SGS-Thomson	M74HC164	
	Sharp	LR74HC164	
	Signetics	74HC164	
	TI	SN74HC164	
	Toshiba	TC74HC164A	
	Universal	US74HC164	
HD74HC165	Harris	CD74HC165	
	Motorola	MC74HC165	
	National	MM74HC165	
	NJR	NJU74HC165	
	SGS-Thomson	M74HC165	
	Sharp	LR74HC165	
	Signetics	74HC165	
	TI	SN74HC165	
	Toshiba	TC74HC165A	
	Universal	US74HC165	
HD74HC166	Harris	CD74HC166	
	National	MM74HC166	
	NJR	NJU74HC166	
	SGS-Thomson	M74HC166	
	Signetics	74HC166	
	TI	SN74HC166	
	Toshiba	TC74HC166A	
HD74HC173	Harris	CD74HC173	
	Motorola	MC74HC173	
	National	MM74HC173	
	SGS-Thomson	M74HC173	
	Sharp	LR74HC173	
	Signetics	74HC173	
	TI	SN74HC173	
	Toshiba	TC74HC173A	
	Universal	US74HC173	
HD74HC174	Harris	CD74HC174	
	Motorola	MC74HC174A	
	National	MM74HC174	
	NJR	NJU74HC174	
	SGS-Thomson	M74HC174	
	Sharp	LR74HC174	
	Signetics	74HC174	
	TI	SN74HC174	
	Toshiba	TC74HC174A	
	Universal	US74HC174	
HD74HC175	Harris	CD74HC175	
	Motorola	MC74HC175	
	National	MM74HC175	
	NJR	NJU74HC175	
	SGS-Thomson	M74HC175	
	Sharp	LR74HC175	
	Signetics	74HC175	
	TI	SN74HC175	
	Toshiba	TC74HC175A	
	Universal	US74HC175	
♦ HD74HC180	TI	SN74HC180	
♦ HD74HC181	Harris	CD74HC181	
	National	MM74HC181	
	SGS-Thomson	M74HC181	
	Signetics	74HC181	
	Toshiba	TC74HC181A	
HD74HC182	Harris	CD74HC182	
	National	MM74HC182	
	SGS-Thomson	M74HC182	
	Signetics	74HC182	
	Toshiba	TC74HC182A	
HD74HC190	Harris	CD74HC190	
	Mitsubishi	74HC190	
	National	MM74HC190	
	SGS-Thomson	M74HC190	
	Signetics	74HC190	
	TI	SN74HC190	
	Toshiba	TC74HC190A	
	Universal	US74HC190	
HD74HC191	GoldStar	GD74HC191	
	Harris	CD74HC191	
	Mitsubishi	M74HC191	
	National	MM74HC191	
	SGS-Thomson	M74HC191	
	Signetics	74HC191	
	TI	SN74HC191	
	Toshiba	TC74HC191A	
	Universal	US74HC191	
HD74HC192	Harris	CD74HC192	
	Mitsubishi	M74HC192	
	National	MM74HC192	
	NJR	NJU74HC192	
	SGS-Thomson	M74HC192	
	Signetics	74HC192	
	TI	SN74HC192	
	Toshiba	TC74HC192A	
	Universal	US74HC192	
HD74HC193	Harris	CD74HC193	
	Mitsubishi	M74HC193	
	National	MM74HC193	
	SGS-Thomson	M74HC193	
	Signetics	74HC193	
	TI	SN74HC193	
	Toshiba	TC74HC193A	
	Universal	US74HC193	
HD74HC194	Harris	CD74HC194	
	Mitsubishi	M74HC194	
	Motorola	MC74HC194	
	National	MM74HC194	
	NJR	NJU74HC194	
	SGS-Thomson	M74HC194	
	Sharp	LR74HC194	
	Signetics	74HC194	
	TI	SN74HC194	
	Toshiba	TC74HC194A	
	Universal	US74HC194	
HD74HC195	Harris	CD74HC195	
	Mitsubishi	M74HC195	
	Motorola	MC74HC195	
	National	MM74HC195	
	NJR	NJU74HC195	
	SGS-Thomson	M74HC195	
	Sharp	LR74HC195	
	Signetics	74HC195	
	TI	SN74HC195	
	Toshiba	TC74HC195A	
	Universal	US74HC195	
HD74HC20	Harris	CD74HC20	
	Mitsubishi	M74HC20	
	Motorola	MC74HC20	
	National	MM74HC20	
	NJR	NJU74HC20	
	SGS-Thomson	M74HC20	
	Sharp	LR74HC20	
	Signetics	74HC20	
	TI	SN74HC20	
	Toshiba	TC74HC20A	
	Universal	US74HC20	
HD74HC21	Harris	CD74HC21	
	NJR	NJU74HC21	
	SGS-Thomson	M74HC21	
	Signetics	74HC21	
	TI	SN74HC21	
	Toshiba	TC74HC21A	
	Universal	US74HC21	
HD74HC221	Harris	CD74HC221	
	National	MM74HC221A	
	SGS-Thomson	M74HC221	
		M74HC221A	
	Signetics	74HC221	
	Toshiba	TC74HC221	
	Universal	US74HC221	
HD74HC237	Harris	CD74HC237	
	Mitsubishi	M74HC237	
	Motorola	MC74HC237	
	National	MM74HC237	
HD74HC237 (Cont'd)			
	NJR	NJU74HC237	
	SGS-Thomson	M74HC237	
	Signetics	74HC237	
	TI	SN74HC237	
	Toshiba	TC74HC237A	
HD74HC238	Harris	CD74HC238	
	National	MM74HC238	
	NJR	NJU74HC238	
	SGS-Thomson	M74HC238	
	Signetics	74HC238	
	TI	SN74HC238	
	Toshiba	TC74HC238A	
HD74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson	M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
HD74HC241	Harris	CD74HC241	
	Mitsubishi	M74HC241	
	Motorola	MC74HC241A	
	National	MM74HC241	
	NJR	NJU74HC241	
	SGS-Thomson	M74HC241	
		M74HC241HV	
	Sharp	LR74HC241	
	Signetics	74HC241	
	TI	SN74HC241	
	Toshiba	TC74HC241A	
HD74HC242	Harris	CD74HC242	
	Mitsubishi	M74HC242	
	Motorola	MC74HC242	
	National	MM74HC242	
	SGS-Thomson	M74HC242	
	Sharp	LR74HC242	
	Signetics	74HC242	
	TI	SN74HC242	
	Toshiba	TC74HC242A	
HD74HC244	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
	Motorola	MC74HC244A	
	National	MM74HC244	
	NJR	NJU74HC244	
	SGS-Thomson	M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
HD74HC245	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
	National	MM74HC245	
		MM74HC245A	
	NJR	NJU74HC245	
	SGS-Thomson	M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
HD74HC251	Harris	CD74HC251	
	Mitsubishi	M74HC251	
	Motorola	MC74HC251	
	National	MM74HC251	
	SGS-Thomson	M74HC251	
	Sharp	LR74HC251	
	Signetics	74HC251	
	TI	SN74HC251	
	Toshiba	TC74HC251A	
HD74HC253	Harris	CD74HC253	
	Mitsubishi	M74HC253	
	Motorola	MC74HC253	
	National	MM74HC253	
	NJR	NJU74HC253	
	SGS-Thomson	M74HC253	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Hitachi			**(Cont'd)**
HD74HC253			(Cont'd)
	Sharp	LR74HC253	
	Signetics	PC74HC253	
	TI	SN74HC253	
	Toshiba	TC74HC253	
HD74HC257	Harris	CD74HC257	
	Mitsubishi	M74HC257	
	Motorola	MC74HC257	
	National	MM74HC257	
	SGS-Thomson		
		M74HC257	
	Sharp	LR74HC257	
	Signetics	74HC257	
	TI	SN74HC257	
	Toshiba	TC74HC257A	
HD74HC258	Harris	CD74HC258	
	National	MM74HC258	
	SGS-Thomson		
		M74HC258	
	Signetics	74HC258	
	TI	SN74HC258	
	Toshiba	TC74HC258A	
HD74HC259	Harris	CD74HC259	
	Mitsubishi	M74HC259	
	Motorola	MC74HC259	
	National	MM74HC259	
	NJR	NJU74HC259	
	SGS-Thomson		
		M74HC259	
	Sharp	LR74HC259	
	Signetics	74HC259	
	TI	SN74HC259	
	Toshiba	TC74HC259A	
♦ HD74HC266	Mitsubishi	M74HC266	
		M74HC266A	
♦ HD74HC266	National	MM74HC266	
	NJR	NJU74HC266	
	SGS-Thomson		
		M74HC266	
	Sharp	LR74HC266	
	TI	SN74HC266	
HD74HC27	Harris	CD74HC27	
	Mitsubishi	M74HC27	
	Motorola	MC74HC27	
	National	MM74HC27	
	NJR	NJU74HC27	
	SGS-Thomson		
		M74HC27	
	Sharp	LR74HC27	
	Signetics	74HC27	
	TI	SN74HC27	
	Toshiba	TC74HC27A	
HD74HC273	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson		
		M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
HD74HC280	Harris	CD74HC280	
	Mitsubishi	M74HC280	
	Motorola	MC74HC280	
	National	MM74HC280	
	SGS-Thomson		
		M74HC280	
	Sharp	LR74HC280	
	Signetics	74HC280	
	TI	SN74HC280	
	Toshiba	TC74HC280A	
♦ HD74HC283	Harris	CD74HC283	
	Mitsubishi	M74HC283	
	National	MM74HC283	
	SGS-Thomson		
		M74HC283	
	Signetics	74HC283	
	TI	SN74HC283	
	Toshiba	TC74HC283A	
HD74HC292	SGS-Thomson		
		M74HC292	
HD74HC294	SGS-Thomson		
		M74HC294	
HD74HC298	Motorola	MC74HC298	
	National	MM74HC298	
	SGS-Thomson		
		M74HC298	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
HD74HC298			(Cont'd)
	TI	SN74HC298	
	Toshiba	TC74HC298A	
♦ HD74HC299	Harris	CD74HC299	
	Motorola	MC74HC299	
	National	MM74HC299	
	SGS-Thomson		
		M74HC299	
	Sharp	LR74HC299	
	Signetics	74HC299	
	TI	SN74HC299	
	Toshiba	TC74HC299A	
HD74HC30	Harris	CD74HC30	
	Mitsubishi	M74HC30	
	Motorola	MC74HC30	
	National	MM74HC30	
	SGS-Thomson		
		M74HC30	
	Sharp	LR74HC30	
	Signetics	74HC30	
	TI	SN74HC30	
	Toshiba	TC74HC30A	
HD74HC32	Harris	CD74HC32	
	Mitsubishi	M74HC32	
	Motorola	MC74HC32A	
	National	MM74HC32	
	NJR	NJU74HC32	
	SGS-Thomson		
		M74HC32	
	Sharp	LR74HC32	
	Signetics	74HC32	
	TI	SN74HC32	
	Toshiba	TC74HC32A	
HD74HC323	National	MM74HC323	
	SGS-Thomson		
		M74HC323	
	Toshiba	TC74HC323A	
HD74HC353	NJR	NJU74HC353	
	SGS-Thomson		
		M74HC353	
	TI	SN74HC353	
	Toshiba	TC74HC353A	
HD74HC354	Harris	CD74HC354	
	Motorola	MC74HC354	
	National	MM74HC354	
	SGS-Thomson		
		M74HC354	
	Sharp	LR74HC354	
	Signetics	74HC354	
	TI	SN74HC354	
	Toshiba	TC74HC354A	
HD74HC356	Harris	CD74HC356	
	National	MM74HC356	
	SGS-Thomson		
		M74HC356	
	Sharp	LR74HC356	
	Signetics	74HC356	
	TI	SN74HC356	
	Toshiba	TC74HC356A	
HD74HC365	GoldStar	GD74HC365	
	Harris	CD74HC365	
	Motorola	MC74HC365	
	National	MM74HC365	
	SGS-Thomson		
		M74HC365	
	Sharp	LR74HC365	
	Signetics	74HC365	
	TI	SN74HC365	
	Toshiba	TC74HC365A	
HD74HC366	GoldStar	GD74HC366	
	Harris	CD74HC366	
	Motorola	MC74HC366	
	National	MM74HC366	
	SGS-Thomson		
		M74HC366	
	Sharp	LR74HC366	
	Signetics	74HC366	
	TI	SN74HC366	
	Toshiba	TC74HC366A	
HD74HC367	GoldStar	GD74HC367	
	Harris	CD74HC367	
	Mitsubishi	M74HC367	
	Motorola	MC74HC367	
	National	MM74HC367	
	SGS-Thomson		
		M74HC367	
	Signetics	74HC367	
	TI	SN74HC367	
	Toshiba	TC74HC367A	
HD74HC368	GoldStar	GD74HC368	
	Harris	CD74HC368	
	Motorola	MC74HC368	
	National	MM74HC368	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
HD74HC368			(Cont'd)
	SGS-Thomson		
		M74HC368	
	Sharp	LR74HC368	
	Signetics	74HC368	
	TI	SN74HC368	
	Toshiba	TC74HC368A	
HD74HC373	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	National	MM74HC373	
	NJR	NJU74HC373	
	SGS-Thomson		
		M74HC373	
	Sharp	LR74HC373	
	Signetics	74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
HD74HC374	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	National	MM74HC374	
	NJR	NJU74HC374	
	SGS-Thomson		
		M74HC374	
	Sharp	LR74HC374	
	Signetics	74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	
HD74HC375	NJR	NJU74HC375	
	SGS-Thomson		
		M74HC375	
	TI	SN74HC375	
	Toshiba	TC74HC375A	
HD74HC377	Harris	CD74HC377	
	NJR	NJU74HC377	
	SGS-Thomson		
		M74HC377	
	Signetics	74HC377	
	TI	SN74HC377	
	Toshiba	TC74HC377A	
HD74HC386	SGS-Thomson		
		M74HC386	
	TI	SN74HC386	
	Toshiba	TC74HC386A	
HD74HC390	Harris	CD74HC390	
	Motorola	MC74HC390	
	National	MM74HC390	
	NJR	NJU74HC390	
	SGS-Thomson		
		M74HC390	
	Sharp	LR74HC390	
	Signetics	74HC390	
	TI	SN74HC390	
	Toshiba	TC74HC390A	
HD74HC393	Harris	CD74HC393	
	Motorola	MC74HC393	
	National	MM74HC393	
	NJR	NJU74HC393	
	SGS-Thomson		
		M74HC393	
	Sharp	LR74HC393	
	Signetics	74HC393	
	TI	SN74HC393	
	Toshiba	TC74HC393A	
HD74HC4017	Harris	CD74HC4017	
	Motorola	MC74HC4017	
	National	MM74HC4017	
	SGS-Thomson		
		M74HC4017	
	Signetics	74HC4017	
	TI	SN74HC4017	
	Toshiba	TC74HC4017A	
HD74HC4020	Harris	CD74HC4020	
	Mitsubishi	M74HC4020	
	National	MM74HC4020	
	NJR	NJU74HC4020	
	SGS-Thomson		
		M74HC4020	
	Signetics	74HC4020	
	TI	SN74HC4020	
	Toshiba	TC74HC4020A	
HD74HC4022	SGS-Thomson		
		M74HC4022	
	TI	SN74HC4022	
	Toshiba	TC74HC4022A	
HD74HC4024	Harris	CD74HC4024	
	Mitsubishi	M74HC4024	
	Motorola	MC74HC4024	
	National	MM74HC4024	
	SGS-Thomson		
		M74HC4024	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
HD74HC4024			(Cont'd)
	Sharp	LR74HC4024	
	Signetics	74HC4024	
	TI	SN74HC4024	
	Toshiba	TC74HC4024A	
HD74HC4040	Harris	CD74HC4040	
	Mitsubishi	M74HC4040	
	National	MM74HC4040	
	NJR	NJU74HC4040	
	SGS-Thomson		
		M74HC4040	
	Signetics	74HC4040	
	TI	SN74HC4040	
	Toshiba	TC74HC4040A	
♦ HD74HC4051	Harris	CD74HC4051	
	Mitsubishi	M74HC4051	
	Motorola	MC74HC4051	
	National	MM74HC4051	
	SGS-Thomson		
		M74HC4051	
	Signetics	74HC4051	
	Toshiba	TC74HC4051A	
♦ HD74HC4052	Harris	CD74HC4052	
	Mitsubishi	M74HC4052	
	Motorola	MC74HC4052	
	National	MM74HC4052	
	Panasonic	MN74HC4052	
	SGS-Thomson		
		M74HC4052	
	Signetics	74HC4052	
	Toshiba	TC74HC4052A	
♦ HD74HC4053	Harris	CD74HC4053	
	Mitsubishi	M74HC4053	
	Motorola	MC74HC4053	
	National	MM74HC4053	
	SGS-Thomson		
		M74HC4053	
	Signetics	74HC4053	
	Toshiba	TC74HC4053A	
HD74HC4060	Harris	CD74HC4060	
	National	MM74HC4060	
	SGS-Thomson		
		M74HC4060	
	Signetics	74HC4060	
	TI	SN74HC4060	
	Toshiba	TC74HC4060A	
♦ HD74HC4066	Harris	CD74HC4066	
	Motorola	MC74HC4066	
	National	MM74HC4066	
	NJR	NJU74HC4066	
	SGS-Thomson		
		M74HC4066	
	Signetics	74HC4066	
	TI	SN74HC4066	
	Toshiba	TC74HC4066A	
HD74HC42	Harris	CD74HC42	
	Mitsubishi	M74HC42	
	Motorola	MC74HC42	
	National	MM74HC42	
	SGS-Thomson		
		M74HC42	
	Sharp	LR74HC42	
	Signetics	74HC42	
	TI	SN74HC42	
	Toshiba	TC74HC42A	
HD74HC423	Harris	CD74HC423	
	National	MM74HC423A	
	SGS-Thomson		
		M74HC423	
		M74HC423A	
	Signetics	74HC423	
	Toshiba	TC74HC423	
		TC74HC423A	
HD74HC4511	Harris	CD74HC4511	
	Motorola	MC74HC4511	
	National	MM74HC4511	
	SGS-Thomson		
		M74HC4511	
	Sharp	LR74HC4511	
	Signetics	74HC4511	
	Toshiba	TC74HC4511A	
HD74HC4514	Harris	CD74HC4514	
	Motorola	MC74HC4514	
	National	MM74HC4514	
	SGS-Thomson		
		M74HC4514	
	Sharp	LR74HC4514	
	Signetics	74HC4514	
	TI	SN74HC4514	
	Toshiba	TC74HC4514A	
HD74HC4515	Harris	CD74HC4515	
	Signetics	74HC4515	
	TI	SN74HC4515	
	Toshiba	TC74HC4515A	
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Hitachi			**(Cont'd)**
HD74HC4518	Harris	CD74HC4518	
	National	MM74HC4518	
	SGS-Thomson	M74HC4518	
	Signetics	74HC4518	
	Toshiba	TC74HC4518A	
HD74HC4520	Harris	CD74HC4520	
	National	MM74HC4520	
	Signetics	74HC4520	
	Toshiba	TC74HC4520A	
HD74HC4538	Harris	CD74HC4538	
	Motorola	MC74HC4538A	
	National	MM74HC4538	
	SGS-Thomson	M74HC4538	
	Signetics	74HC4538	
	Toshiba	TC74HC4538A	
HD74HC4543	Harris	CD74HC4543	
	National	MM74HC4543	
	SGS-Thomson	M74HC4543	
	Sharp	LR74HC4543	
	Signetics	74HC4543	
	Toshiba	TC74HC4543A	
HD74HC490	NJR	NJU74HC490	
	TI	SN74HC490	
HD74HC51	Mitsubishi	M74HC51	
	Motorola	MC74HC51	
	National	MM74HC51	
	NJR	NJU74HC51	
	SGS-Thomson	M74HC51	
	Sharp	LR74HC51	
	TI	SN74HC51	
	Toshiba	TC74HC51A	
HD74HC533	Harris	CD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
	Motorola	MC74HC533A	
	National	MM74HC533	
	NJR	NJU74HC533	
	SGS-Thomson	M74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
HD74HC534	Harris	CD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
	Motorola	MC74HC534A	
	National	MM74HC534	
	NJR	NJU74HC534	
	SGS-Thomson	M74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
HD74HC540	Harris	CD74HC540	
	Mitsubishi	M74HC540	
	Motorola	MC74HC540	
	National	MM74HC540	
	SGS-Thomson	M74HC540	
	Signetics	74HC540	
	TI	SN74HC540	
	Toshiba	TC74HC540A	
HD74HC541	Harris	CD74HC541	
	Mitsubishi	M74HC541	
	Motorola	MC74HC541	
	National	MM74HC541	
	SGS-Thomson	M74HC541	
	Sharp	LR74HC541	
	Signetics	74HC541	
	TI	SN74HC541	
	Toshiba	TC74HC541A	
HD74HC563	Harris	CD74HC563	
	Motorola	MC74HC563	
	National	MM74HC563	
	SGS-Thomson	M74HC563	
	Sharp	LR74HC563	
	Signetics	74HC563	
	TI	SN74HC563	
	Toshiba	TC74HC563A	
HD74HC564	Harris	CD74HC564	
	Motorola	MC74HC564	
	National	MM74HC564	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
HD74HC564			(Cont'd)
	SGS-Thomson	M74HC564	
	Sharp	LR74HC564	
	Signetics	74HC564	
	TI	SN74HC564	
	Toshiba	TC74HC564A	
HD74HC573	Harris	CD74HC573	
	Motorola	MC74HC573A	
	National	MM74HC573	
	SGS-Thomson	M74HC573	
	Signetics	74HC573	
	TI	SN74HC573	
	Toshiba	TC74HC573A	
HD74HC574	Harris	CD74HC574	
	Motorola	MC74HC574A	
	National	MM74HC574	
	SGS-Thomson	M74HC574	
	Sharp	LR74HC574	
	Signetics	74HC574	
	TI	SN74HC574	
	Toshiba	TC74HC574A	
HD74HC589	Motorola	MC74HC589	
	National	MM74HC589	
HD74HC590	National	MM74HC590	
	SGS-Thomson	M74HC590	
	TI	SN74HC590A	
	Toshiba	TC74HC590	
HD74HC592	National	MM74HC592	
	SGS-Thomson	M74HC592	
	Toshiba	TC74HC592	
HD74HC593	National	MM74HC593	
	SGS-Thomson	M74HC593	
	Toshiba	TC74HC593A	
HD74HC595	Mitsubishi	M74HC595	
	National	MM74HC595	
	SGS-Thomson	M74HC595	
	Sharp	LR74HC595	
	TI	SN74HC595	
	Toshiba	TC74HC595A	
HD74HC597	Harris	CD74HC597	
	Motorola	MC74HC597	
	National	MM74HC597	
	SGS-Thomson	M74HC597	
	Sharp	LR74HC597	
	Signetics	74HC597	
	Toshiba	TC74HC597A	
HD74HC620	National	MM74HC620	
	NJR	NJU74HC620	
	SGS-Thomson	M74HC620	
	TI	SN74HC620	
	Toshiba	TC74HC620A	
HD74HC623	National	MM74HC623	
	NJR	NJU74HC623	
	SGS-Thomson	M74HC623	
	TI	SN74HC623	
	Toshiba	TC74HC623A	
HD74HC640	Harris	CD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
	Motorola	MC74HC640A	
	National	MM74HC640	
	NJR	NJU74HC640	
	SGS-Thomson	M74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	
HD74HC643	Harris	CD74HC643	
	Mitsubishi	M74HC643	
		M74HC643-1	
	National	MM74HC643	
	NJR	NJU74HC643	
	SGS-Thomson	M74HC643	
	Sharp	LR74HC643	
	Signetics	74HC643	
	TI	SN74HC643	
	Toshiba	TC74HC643A	
♦ HD74HC646	Harris	CD74HC646	
	Motorola	MC74HC646	
	National	MM74HC646	
	SGS-Thomson	M74HC646	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ HD74HC646			(Cont'd)
	Signetics	74HC646	
	TI	SN74HC646	
	Toshiba	TC74HC646A	
♦ HD74HC648	Harris	CD74HC648	
	Motorola	MC74HC648	
	National	MM74HC648	
	SGS-Thomson	M74HC648	
	Signetics	74HC648	
	TI	SN74HC648	
	Toshiba	TC74HC648A	
♦ HD74HC651	Harris	CD74HC651	
	SGS-Thomson	M74HC651	
	TI	SN74HC651	
	Toshiba	TC74HC651A	
♦ HD74HC652	Harris	CD74HC652	
	SGS-Thomson	M74HC652	
	TI	SN74HC652	
	Toshiba	TC74HC652A	
HD74HC670	GoldStar	GD74HC670	
	Harris	CD74HC670	
	Motorola	MC74HC670	
	SGS-Thomson	M74HC670	
	Signetics	74HC670	
	Toshiba	TC74HC670A	
♦ HD74HC677	TI	SN74HC677	
♦ HD74HC678	TI	SN74HC678	
♦ HD74HC679	TI	SN74HC679	
♦ HD74HC680	TI	SN74HC680	
♦ HD74HC682	TI	SN74HC682	
♦ HD74HC684	TI	SN74HC684	
HD74HC688	Harris	CD74HC688	
	Motorola	MC74HC688	
	National	MM74HC688	
	SGS-Thomson	M74HC688	
	Sharp	LR74HC688	
	Signetics	74HC688	
	TI	SN74HC688	
	Toshiba	TC74HC688A	
HD74HC73	Harris	CD74HC73	
	Mitsubishi	M74HC73	
	Motorola	MC74HC73	
	National	MM74HC73	
	SGS-Thomson	M74HC73	
	Signetics	74HC73	
	TI	SN74HC73	
	Toshiba	TC74HC73A	
HD74HC74	GoldStar	GD74HC74	
	Harris	CD74HC74	
	Mitsubishi	M74HC74	
	Motorola	MC74HC74A	
	National	MM74HC74	
	NJR	NJU74HC74	
	SGS-Thomson	M74HC74	
	Sharp	LR74HC74	
	Signetics	74HC74	
	TI	SN74HC74	
	Toshiba	TC74HC74A	
HD74HC75	Harris	CD74HC75	
	Mitsubishi	M74HC75	
	Motorola	MC74HC75	
	National	MM74HC75	
	SGS-Thomson	M74HC75	
	Sharp	LR74HC75	
	Signetics	74HC75	
	TI	SN74HC75	
	Toshiba	TC74HC75A	
HD74HC76	Mitsubishi	M74HC76	
	Motorola	MC74HC76	
	National	MM74HC76	
	SGS-Thomson	M74HC76	
	Sharp	LR74HC76	
	TI	SN74HC76	
	Toshiba	TC74HC76A	
HD74HC77	SGS-Thomson	M74HC77	
	TI	SN74HC77	
	Toshiba	TC74HC77A	
HD74HC85	Harris	CD74HC85	
	Mitsubishi	M74HC85	
	Motorola	MC74HC85	
	National	MM74HC85	
	NJR	NJU74HC85	
	SGS-Thomson	M74HC85	

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Manufacturer Device	Replacement Source	Device	IC Master Page
HD74HC85			(Cont'd)
	Sharp	LR74HC85	
	Signetics	74HC85	
	TI	SN74HC85	
	Toshiba	TC74HC85A	
HD74HC86	Harris	CD74HC86	
	Mitsubishi	M74HC86	
	Motorola	MC74HC86	
	National	MM74HC86	
	NJR	NJU74HC86	
	SGS-Thomson	M74HC86	
	Sharp	LR74HC86	
	Signetics	74HC86	
	TI	SN74HC86	
	Toshiba	TC74HC86A	
HD74HC93	Harris	CD74HC93	
	Signetics	74HC93	
HD74LS00	GoldStar	GD74LS00	
	Motorola	SN74LS00	
	National	DM74LS00	
		74LS00	
	Rochester	74LS00	
	SGS-Thomson	T74LS00	
		74LS00	
	Signetics	74LS00	
	TI	SN74LS00	
HD74LS01	Motorola	SN74LS01	
	SGS-Thomson	T74LS01	
		74LS01	
	Signetics	74LS01	
	TI	SN74LS01	
HD74LS02	GoldStar	GD74LS02	
	Motorola	SN74LS02	
	National	DM74LS02	
		74LS02	
	SGS-Thomson	T74LS02	
		74LS02	
	Signetics	74LS02	
	TI	SN74LS02	
HD74LS03	Motorola	SN74LS03	
	National	DM74LS03	
		74LS03	
	Rochester	74LS03	
	SGS-Thomson	T74LS03A	
		74LS03	
	TI	SN74LS03	
HD74LS04	GoldStar	GD74LS04	
	Motorola	SN74LS04	
	National	DM74LS04	
		74LS04	
	Rochester	74LS04	
	SGS-Thomson	T74LS04	
		74LS04	
	Signetics	74LS04	
	TI	SN74LS04	
HD74LS05	GoldStar	GD74LS05	
	Motorola	SN74LS05	
	National	DM74LS05	
		74LS05	
	Rochester	74LS05	
	SGS-Thomson	T74LS05A	
		74LS05	
	Signetics	74LS05	
	TI	SN74LS05	
HD74LS08	GoldStar	GD74LS08	
	Motorola	SN74LS08	
	National	DM74LS08	
		74LS08	
	Rochester	74LS08	
	SGS-Thomson	T74LS08	
		74LS08	
	Signetics	74LS08	
	TI	SN74LS08	
HD74LS09	Motorola	SN74LS09	
	National	DM74LS09	
		74LS09	
	Rochester	74LS09	
	SGS-Thomson	T74LS09	
		74LS09	
	Signetics	74LS09	
	TI	SN74LS09	
HD74LS10	GoldStar	GD74LS10	
	Motorola	SN74LS10	
	National	DM74LS10	
		74LS10	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Hitachi			**(Cont'd)**
HD74LS10			(Cont'd)
	Rochester	74LS10	
	SGS-Thomson		
		T74LS10	
		74LS10	
	Signetics	74LS10	
	TI	SN74LS10	
HD74LS107A	Motorola	SN74LS107A	
	National	DM74LS107A	
	Signetics	74LS107	
	TI	SN74LS107A	
HD74LS109A	Motorola	SN74LS109A	
	National	DM74LS109	
		74LS109	
	SGS-Thomson		
		T74LS109A	
	Signetics	74LS109	
	TI	SN74LS109A	
HD74LS11	GoldStar	GD74LS11	
	Motorola	SN74LS11	
	National	DM74LS11	
		74LS11	
	Rochester	74LS11	
	SGS-Thomson		
		T74LS11	
		74LS11	
	Signetics	74LS11	
	TI	SN74LS11	
HD74LS112	Motorola	SN74LS112A	
	National	DM74LS112	
		74LS112	
	SGS-Thomson		
		T74LS112A	
	Signetics	74LS112	
	TI	SN74LS112A	
HD74LS113	Motorola	SN74LS113A	
	Rochester	74LS113	
	SGS-Thomson		
		T74LS113A	
	Signetics	74LS113	
	TI	SN74LS113A	
HD74LS114	Motorola	SN74LS114A	
	Rochester	74LS114	
	SGS-Thomson		
		T74LS114A	
	TI	SN74LS114A	
HD74LS12	Motorola	SN74LS12	
	National	DM74LS12	
		74LS12	
	Rochester	74LS12	
	SGS-Thomson		
		T74LS12	
		74LS12	
	TI	SN74LS12	
HD74LS122	Motorola	SN74LS122	
	National	DM74LS122	
	TI	SN74LS122	
HD74LS123	GoldStar	GD74LS123	
	Motorola	SN74LS123	
	National	DM74LS123	
	TI	SN74LS123	
HD74LS125A	GoldStar	GD74LS125A	
	Motorola	SN74LS125A	
	National	DM74LS125A	
		74LS125	
	SGS-Thomson		
		T74LS125A	
		74LS125A	
	Signetics	74LS125A	
	TI	SN74LS125A	
HD74LS126A	Motorola	SN74LS126A	
	National	DM74LS126	
		74LS126	
	SGS-Thomson		
		T74LS126A	
		74LS126	
	Signetics	74LS126A	
	TI	SN74LS126A	
HD74LS13	Motorola	SN74LS13	
	National	74LS13	
	SGS-Thomson		
		T74LS13	
		74LS13	
	Signetics	74LS13	
	TI	SN74LS13	
HD74LS132	Motorola	SN74LS132	
	National	DM74LS132	
		74LS132	
	SGS-Thomson		
		T74LS132	
		74LS132	

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Manufacturer Device	Replacement Source	Device	IC Master Page
HD74LS132			(Cont'd)
	Signetics	74LS132	
	TI	SN74LS132	
HD74LS136	Motorola	SN74LS136	
	National	74LS136	
	SGS-Thomson		
		T74LS136	
		74LS136	
	Signetics	74LS136	
	TI	SN74LS136	
HD74LS138	GoldStar	GD74LS138	
	Motorola	SN74LS138	
	National	DM74LS138	
		74LS138	
	SGS-Thomson		
		T74LS138	
		74LS138	
	Signetics	74LS138	
	TI	SN74LS138	
HD74LS139	GoldStar	GD74LS139	
	Motorola	SN74LS139	
	National	DM74LS139	
		74LS139	
	SGS-Thomson		
		T74LS139	
		74LS139	
	Signetics	74LS139	
	TI	SN74LS139A	
HD74LS14	GoldStar	GD74LS14	
	Motorola	SN74LS14	
	National	DM74LS14	
		74LS14	
	SGS-Thomson		
		T74LS14	
		74LS14	
	Signetics	74LS14	
	TI	SN74LS14	
HD74LS145	Motorola	SN74LS145	
	TI	SN74LS145	
HD74LS148	Motorola	SN74LS148	
	SGS-Thomson		
		T74LS148	
	TI	SN74LS148	
HD74LS15	Motorola	SN74LS15	
	National	74LS15	
	SGS-Thomson		
		T74LS15	
		74LS15	
	TI	SN74LS15	
HD74LS151A	Motorola	SN74LS151	
	National	DM74LS151	
		74LS151	
	SGS-Thomson		
		T74LS151	
		74LS151	
	Signetics	74LS151	
	TI	SN74LS151	
HD74LS152	Rochester	74LS152	
	SGS-Thomson		
		T74LS152	
		74LS152	
HD74LS153	GoldStar	GD74LS153	
	Motorola	SN74LS153	
	National	DM74LS153	
		74LS153	
	SGS-Thomson		
		T74LS153	
		74LS153	
	Signetics	74LS153	
	TI	SN74LS153	
HD74LS154	GoldStar	GD74LS154	
	National	DM74LS154	
	Signetics	74LS154	
HD74LS155	Motorola	SN74LS155	
	National	DM74LS155	
		74LS155	
	SGS-Thomson		
		T74LS155	
		74LS155	
	Signetics	74LS155	
	TI	SN74LS155A	
HD74LS156	Motorola	SN74LS156	
	National	DM74LS156	
		74LS156	
	SGS-Thomson		
		T74LS156	
		74LS156	
	Signetics	74LS156	
	TI	SN74LS156	
HD74LS157	GoldStar	GD74LS157	
	Motorola	SN74LS157	
	National	DM74LS157	
		74LS157	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
HD74LS157			(Cont'd)
	SGS-Thomson		
		T74LS157	
		74LS157	
	Signetics	74LS157	
	TI	SN74LS157	
HD74LS158	GoldStar	GD74LS158	
	Motorola	SN74LS158	
	National	DM74LS158	
		74LS158	
	Rochester	74LS158	
	SGS-Thomson		
		T74LS158	
		74LS158	
	Signetics	74LS158	
	TI	SN74LS158	
HD74LS160A	Motorola	SN74LS160A	
	National	74LS160	
	Signetics	74LS160A	
	TI	SN74LS160A	
HD74LS161A	GoldStar	GD74LS161A	
	Motorola	SN74LS161A	
	National	DM74LS161A	
		74LS161	
	Signetics	74LS161A	
	TI	SN74LS161A	
HD74LS162A	Motorola	SN74LS162A	
	National	74LS162	
	Signetics	74LS162A	
	TI	SN74LS162A	
HD74LS163A	GoldStar	GD74LS163A	
	Motorola	SN74LS163A	
	National	DM74LS163A	
		74LS163	
	Signetics	74LS163A	
	TI	SN74LS163A	
HD74LS164	GoldStar	GD74LS164	
	Motorola	SN74LS164	
	National	DM74LS164	
		74LS164	
	SGS-Thomson		
		T74LS164	
		74LS164	
	Signetics	74LS164	
	TI	SN74LS164	
HD74LS165A	Motorola	SN74LS165	
	National	74LS165	
	TI	SN74LS165A	
HD74LS170	Motorola	SN74LS170	
	National	74LS170	
	SGS-Thomson		
		T74LS170	
		74LS170	
	TI	SN74LS170	
HD74LS174	GoldStar	GD74LS174	
	Motorola	SN74LS174	
	National	DM74LS174	
		74LS174	
	SGS-Thomson		
		T74LS174	
		74LS174	
	Signetics	74LS174	
	TI	SN74LS174	
HD74LS175	GoldStar	GD74LS175	
	Motorola	SN74LS175	
	National	DM74LS175	
		74LS175	
	SGS-Thomson		
		T74LS175	
		74LS175	
	Signetics	74LS175	
	TI	SN74LS175	
HD74LS181	Motorola	SN74LS181	
	National	74LS181	
	SGS-Thomson		
		T74LS181	
		74LS181	
	TI	SN74LS181	
HD74LS190	Motorola	SN74LS190	
	National	DM74LS190	
		74LS190	
	SGS-Thomson		
		T74LS190	
		74LS190	
	TI	SN74LS190	
HD74LS191	Motorola	SN74LS191	
	National	DM74LS191	
		74LS191	
	SGS-Thomson		
		T74LS191	
		74LS191	
	Signetics	74LS191	
	TI	SN74LS191	

Manufacturer Device	Replacement Source	Device	IC Master Page
HD74LS192	Motorola	SN74LS192	
	National	74LS192	
	SGS-Thomson		
		T74LS192	
		74LS192	
	Signetics	74LS192	
	TI	SN74LS192	
HD74LS193	Motorola	SN74LS193	
	National	DM74LS193	
		74LS193	
	SGS-Thomson		
		T74LS193	
		74LS193	
	Signetics	74LS193	
	TI	SN74LS193	
HD74LS194A	GoldStar	GD74LS194A	
	Motorola	SN74LS194A	
	National	DM74LS194A	
	Rochester	74LS194	
	SGS-Thomson		
		T74LS194A	
		74LS194	
	Signetics	74LS194A	
	TI	SN74LS194A	
HD74LS195A	Motorola	SN74LS195A	
	National	DM74LS195A	
	SGS-Thomson		
		T74LS195A	
		74LS195	
	Signetics	74LS195A	
	TI	SN74LS195A	
♦ HD74LS197	Motorola	SN74LS197	
	National	74LS197	
	SGS-Thomson		
		T74LS197	
		74LS197	
♦ HD74LS197	Signetics	74LS197	
	TI	SN74LS197	
HD74LS20	Motorola	SN74LS20	
	National	DM74LS20	
		74LS20	
	Rochester	74LS20	
	SGS-Thomson		
		T74LS20	
		74LS20	
	Signetics	74LS20	
	TI	SN74LS20	
HD74LS21	GoldStar	GD74LS21	
	Motorola	SN74LS21	
	National	DM74LS21	
		74LS21	
	Rochester	74LS21	
	SGS-Thomson		
		T74LS21	
		74LS21	
	Signetics	74LS21	
	TI	SN74LS21	
HD74LS22	Motorola	SN74LS22	
	SGS-Thomson		
		T74LS22	
		74LS22	
HD74LS221	Motorola	SN74LS221	
	National	DM74LS221	
	TI	SN74LS221	
HD74LS240	GoldStar	GD74LS240	
	Motorola	SN74LS240	
	National	DM74LS240	
		74LS240	
	SGS-Thomson		
		T74LS240	
		74LS240	
	Signetics	74LS240	
	TI	SN74LS240	
HD74LS241	GoldStar	GD74LS241	
	Motorola	SN74LS241	
	National	DM74LS241	
		74LS241	
	SGS-Thomson		
		T74LS241	
		74LS241	
	Signetics	74LS241	
	TI	SN74LS241	
HD74LS242	Motorola	SN74LS242	
	Signetics	74LS242	
	TI	SN74LS242	
HD74LS243	Motorola	SN74LS243	
	National	DM74LS243	
	Signetics	74LS243	
	TI	SN74LS243	
HD74LS244	GoldStar	GD74LS244	
	Motorola	SN74LS244	
	National	DM74LS244	
		74LS244	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Hitachi			**(Cont'd)**
HD74LS244			(Cont'd)
	SGS-Thomson		
		T74LS244	
		74LS244	
	Signetics	74LS244	
	TI	SN74LS244	
HD74LS245	GoldStar	GD74LS245	
	Motorola	SN74LS245	
	National	DM74LS245	
		74LS245	
	Rochester	74LS245	
	SGS-Thomson		
		T74LS245	
		74LS245	
	Signetics	74LS245	
	TI	SN74LS245	
HD74LS247	Motorola	SN74LS247	
	National	74LS247	
	TI	SN74LS247	
HD74LS248	Motorola	SN74LS248	
	National	74LS248	
HD74LS249	National	74LS249	
HD74LS251	Motorola	SN74LS251	
	National	DM74LS251	
		74LS251	
	Rochester	74LS251	
	SGS-Thomson		
		T74LS251	
		74LS251	
	Signetics	74LS251	
	TI	SN74LS251	
HD74LS253	Motorola	SN74LS253	
	National	DM74LS253	
		74LS253	
	Rochester	74LS253	
	SGS-Thomson		
		T74LS253	
		74LS253	
	Signetics	74LS253	
	TI	SN74LS253	
HD74LS257	GoldStar	GD74LS257A	
	Motorola	SN74LS257A	
	National	DM74LS257B	
		74LS257	
	Rochester	74LS257	
	SGS-Thomson		
		T74LS257A	
		74LS257	
	Signetics	74LS257A	
	TI	SN74LS257B	
HD74LS258	Motorola	SN74LS258A	
	National	DM74LS258B	
		74LS258	
	Rochester	74LS258	
	SGS-Thomson		
		T74LS258A	
		74LS258	
	Signetics	74LS258A	
	TI	SN74LS258B	
HD74LS259	Motorola	SN74LS259	
	National	DM74LS259	
		74LS259	
	Rochester	74LS259	
	SGS-Thomson		
		T74LS259	
		74LS259	
	Signetics	74LS259	
	TI	SN74LS259B	
HD74LS26	Motorola	SN74LS26	
	National	DM74LS26	
		74LS26	
	Rochester	74LS26	
	SGS-Thomson		
		T74LS26A	
		74LS26	
	Signetics	74LS26	
	TI	SN74LS26	
HD74LS266	Motorola	SN74LS266	
	National	74LS266	
	SGS-Thomson		
		T74LS266	
		74LS266	
	Signetics	74LS266	
	TI	SN74LS266	
HD74LS27	GoldStar	GD74LS27	
	Motorola	SN74LS27	
	National	DM74LS27	
		74LS27	

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Manufacturer Device	Replacement Source	Device	IC Master Page
HD74LS27			(Cont'd)
	Rochester	74LS27	
	SGS-Thomson		
		T74LS27	
		74LS27	
	Signetics	74LS27	
	TI	SN74LS27	
HD74LS273	GoldStar	GD74LS273	
	Motorola	SN74LS273	
	National	74LS273	
	SGS-Thomson		
		T74LS273	
		74LS273	
	Signetics	74LS273	
	TI	SN74LS273	
HD74LS279	Motorola	SN74LS279	
	National	DM74LS279	
		74LS279	
	Rochester	74LS279	
	SGS-Thomson		
		T74LS279	
		74LS279	
	TI	SN74LS279A	
HD74LS280	GoldStar	GD74LS280	
	Motorola	SN74LS280	
	SGS-Thomson		
		T74LS280	
		74LS280	
	TI	SN74LS280	
HD74LS283A	Motorola	SN74LS283	
	National	DM74LS283	
		74LS283	
	SGS-Thomson		
		T74LS283	
		74LS283	
	Signetics	74LS283	
	TI	SN74LS283	
HD74LS290	Motorola	SN74LS290	
	National	DM74LS290	
		74LS290	
	Signetics	74LS290	
	TI	SN74LS290	
HD74LS293	Motorola	SN74LS293	
	National	DM74LS293	
		74LS293	
	SGS-Thomson		
		T74LS293	
		74LS293	
	Signetics	74LS293	
	TI	SN74LS293	
HD74LS298	Motorola	SN74LS298	
	National	74LS298	
	SGS-Thomson		
		T74LS298	
		74LS298	
	Signetics	74LS298	
	TI	SN74LS298	
HD74LS299	GoldStar	GD74LS299	
	Motorola	SN74LS299	
	National	74LS299	
	TI	SN74LS299	
HD74LS30	GoldStar	GD74LS30	
	Motorola	SN74LS30	
	National	DM74LS30	
		74LS30	
	Rochester	74LS30	
	SGS-Thomson		
		T74LS30	
		74LS30	
	Signetics	74LS30	
	TI	SN74LS30	
HD74LS32	GoldStar	GD74LS32	
	Motorola	SN74LS32	
	National	DM74LS32	
		74LS32	
	Rochester	74LS32	
	SGS-Thomson		
		T74LS32	
		74LS32	
	Signetics	74LS32	
	TI	SN74LS32	
HD74LS365A	Motorola	SN74LS365A	
	National	DM74LS365A	
		74LS365	
	Rochester	74LS365	
	SGS-Thomson		
		T74LS365A	
		74LS365A	
	Signetics	74LS365A	
	TI	SN74LS365A	
HD74LS366A	Motorola	SN74LS366A	
	National	DM74LS366A	
		74LS366	

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Manufacturer Device	Replacement Source	Device	IC Master Page
HD74LS366A			(Cont'd)
	SGS-Thomson		
		T74LS366A	
		74LS366A	
	Signetics	74LS366A	
	TI	SN74LS366A	
HD74LS367A	GoldStar	GD74LS367A	
	Motorola	SN74LS367A	
	National	DM74LS367A	
		74LS367	
	Rochester	74LS367	
	SGS-Thomson		
		T74LS367A	
		74LS367A	
	Signetics	74LS367A	
	TI	SN74LS367A	
HD74LS368A	Motorola	SN74LS368A	
	National	DM74LS368A	
		74LS368	
	Rochester	74LS368	
	SGS-Thomson		
		T74LS368A	
		74LS368A	
	Signetics	74LS368A	
	TI	SN74LS368A	
HD74LS37	Motorola	SN74LS37	
	National	DM74LS37	
		74LS37	
	Rochester	74LS37	
	SGS-Thomson		
		T74LS37	
		74LS37	
	Signetics	74LS37	
	TI	SN74LS37	
HD74LS373	GoldStar	GD74LS373	
	Motorola	SN74LS373	
	National	DM74LS373	
		74LS373	
	SGS-Thomson		
		T74LS373	
		74LS373	
	Signetics	74LS373	
	TI	SN74LS373	
HD74LS374	GoldStar	GD74LS374	
	Motorola	SN74LS374	
	National	DM74LS374	
		74LS374	
	SGS-Thomson		
		T74LS374	
		74LS374	
	Signetics	74LS374	
	TI	SN74LS374	
HD74LS375	Motorola	SN74LS375	
	National	74LS375	
	Signetics	74LS375	
	TI	SN74LS375	
HD74LS38	Motorola	SN74LS38	
	National	DM74LS38	
		74LS38	
	Rochester	74LS38	
	SGS-Thomson		
		T74LS38	
		74LS38	
	Signetics	74LS38	
	TI	SN74LS38	
HD74LS386	Motorola	SN74LS386	
	National	74LS386	
	Rochester	74LS386	
HD74LS390	Motorola	SN74LS390	
	National	DM74LS390	
	SGS-Thomson		
		T74LS390	
		74LS390	
	Signetics	74LS390	
	TI	SN74LS390	
HD74LS393	GoldStar	GD74LS393	
	Motorola	SN74LS393	
	National	DM74LS393	
		74LS393	
	SGS-Thomson		
		T74LS393	
		74LS393	
	Signetics	74LS393	
	TI	SN74LS393	
HD74LS40	Motorola	SN74LS40	
	National	74LS40	
	SGS-Thomson		
		T74LS40	
		74LS40	
	TI	SN74LS40	
HD74LS42	Motorola	SN74LS42	
	National	DM74LS42	
		74LS42	

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Manufacturer Device	Replacement Source	Device	IC Master Page
HD74LS42			(Cont'd)
	Rochester	74LS42	
	SGS-Thomson		
		T74LS42	
		74LS42	
	Signetics	74LS42	
	TI	SN74LS42	
HD74LS47	Motorola	SN74LS47	
	National	74LS47	
	TI	SN74LS47	
HD74LS48	Motorola	SN74LS48	
	National	74LS48	
HD74LS490	Motorola	SN74LS490	
	National	74LS490	
	SGS-Thomson		
		T74LS490	
		74LS490	
	Signetics	74LS490	
HD74LS51	Motorola	SN74LS51	
	National	DM74LS51	
		74LS51	
	Rochester	74LS51	
	SGS-Thomson		
		T74LS51	
		74LS51	
	Signetics	74LS51	
	TI	SN74LS51	
HD74LS54	Motorola	SN74LS54	
	National	74LS54	
	SGS-Thomson		
		T74LS54	
		74LS54	
	Signetics	74LS54	
	TI	SN74LS54	
HD74LS55	Motorola	SN74LS55	
	National	74LS55	
	Rochester	74LS55	
	SGS-Thomson		
		T74LS55	
		74LS55	
	TI	SN74LS55	
HD74LS641	Motorola	SN74LS641	
	Signetics	74LS641	
		74LS641-1	
	TI	SN74LS641	
		SN74LS641-1	
HD74LS642	Motorola	SN74LS642	
	Signetics	74LS642	
		74LS642-1	
	TI	SN74LS642	
		SN74LS642-1	
HD74LS645	Motorola	SN74LS645	
	Signetics	74LS645	
		74LS645-1	
	TI	SN74LS645	
		SN74LS645-1	
HD74LS669	Motorola	SN74LS669	
	TI	SN74LS669	
HD74LS73A	Motorola	SN74LS73A	
	National	DM74LS73A	
	Signetics	74LS73	
	TI	SN74LS73A	
HD74LS74A	GoldStar	GD74LS74A	
	Motorola	SN74LS74A	
	National	DM74LS74	
		74LS74	
	Rochester	74LS74	
	SGS-Thomson		
		T74LS74A	
		74LS74	
	Signetics	74LS74A	
	TI	SN74LS74A	
HD74LS75	GoldStar	GD74LS75	
	Motorola	SN74LS75	
	National	DM74LS75	
	Rochester	74LS75	
	Signetics	74LS75	
	TI	SN74LS75	
HD74LS76A	Motorola	SN74LS76A	
	Signetics	74LS76	
	TI	SN74LS76A	
HD74LS77	Motorola	SN74LS77	
HD74LS78A	TI	SN74LS78A	
HD74LS83A	Motorola	SN74LS83A	
	National	DM74LS83A	
		74LS83	
	Rochester	74LS83	
	SGS-Thomson		
		T74LS83A	
		74LS83A	
	Signetics	74LS83A	
	TI	SN74LS83A	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Hitachi			**(Cont'd)**
HD74LS85	Motorola	SN74LS85	
	National	DM74LS85	
		74LS85	
	Rochester	74LS85	
	Signetics	74LS85	
	TI	SN74LS85	
HD74LS86	GoldStar	GD74LS86	
	Motorola	SN74LS86	
	National	DM74LS86	
		74LS86	
	Rochester	74LS86	
	SGS-Thomson		
		T74LS86	
		74LS86	
	Signetics	74LS86	
	TI	SN74LS86A	
HD74LS90	Motorola	SN74LS90	
	National	DM74LS90	
	Rochester	74LS90	
	SGS-Thomson		
		74LS90	
	Signetics	74LS90	
	TI	SN74LS90	
HD74LS91	TI	SN74LS91	
HD74LS92	Motorola	SN74LS92	
	Signetics	74LS92	
	TI	SN74LS92	
HD74LS93	GoldStar	GD74LS93	
	Motorola	SN74LS93	
	National	DM74LS93	
	Rochester	74LS93	
	SGS-Thomson		
		74LS93	
	Signetics	74LS93	
	TI	SN74LS93	
HD74LS95B	Motorola	SN74LS95B	
	National	74LS95B	
	SGS-Thomson		
		T74LS95B	
		74LS95B	
	Signetics	74LS95B	
	TI	SN74LS95B	
HM100422	Cypress	CY100E422	
	NEC	μPB100422	
HM100470	NEC	μPB100474	
HM100474	Cypress	CY100E474	
	NEC	μPB100474	
HM100490	IDT	IDT100490	
HM100494	Cypress	CY101E494	
	IDT	IDT100494	
HM100500	NEC	μPD100500	
HM100504	IDT	IDT100504	
	NEC	μPD100504	
HM101490	IDT	IDT101490	
HM101494	Cypress	CY101E494	
HM10150	Silicon Conn	SC5200	
HM101500	Silicon Conn	SC5100	
HM101504	IDT	IDT101504	
	Silicon Conn	SC5104	
HM101514	Silicon Conn	SC5204	
HM10194	IDT	IDT101494	
HM10422	Cypress	CY10E422	
	NEC	μPB10422	
HM10470	Micro-C	10470	
	NEC	μPB10470	
HM10474	Cypress	CY10E474	
		CY100E474	
	NEC	μPB10474	
HM10490	IDT	IDT10490	
HM10494	Cypress	CY10E494	
	IDT	IDT10494	
HM10500	NEC	μPD10500	
HM10504	IDT	IDT10504	
	NEC	μPD10504	
HM25089	Cypress	CY7C282	
HM27C256	Cypress	CY7C274	
HM27256	Cypress	CY7C274	
HM27512	Cypress	CY7C286	
HM4315	Harris	HM6504	
HM4334	AMD	AM91L14	
	Harris	HM6514	
HM4716	Krueger	4116-120	
		4116-150	
		4116-200	
HM472114	**Krueger**	**2114-150**	**(3548)**
		2114-200	**(3548)**
		2114-450	**(3548)**
HM4816	Krueger	4116SV	
	Micro-C	4116	
HM48416	Krueger	41416-100	
		41416-120	
		41416-150	
HM4847	Cypress	CY2147	
	Performance	P4C147	
HM4864	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
HM50256	GoldStar	GM71256	
	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	Micro-C	41256	
	NEC	μPD41256	
	OKI	MSM41256	
	Panasonic	MN41256	
HM50257	Micro-C	41257	
	OKI	MSM41257	
	Panasonic	MN41257	
HM50464	GoldStar	GM71C464	
	Krueger	41464-100	
		41464-120	
		41464-150	
	Micro-C	41464	
	MicronTech	MT4067	
	NEC	μPD41464	
	OKI	MSM41464	
	Panasonic	MN41464	
	Samsung	KM41C464	
	Vitelic	V53C464	
HM511000	GoldStar	GM71C1000	
	Krueger	511000-100	
		511000-70	
		511000-80	
	Micro-C	511000	
	MicronTech	MT4C1024	
	Motorola	MCM511000	
	NEC	μPD421000	
	OKI	MSM511000	
	Panasonic	MN41C1000	
	Samsung	KM41C1000	
	Toshiba	TC511000	
HM511000A	Toshiba	TC511000B	
HM511001	MicronTech	MT4C1025	
	Motorola	MCM511001	
	NEC	μPD421001	
	OKI	MSM511001	
	Samsung	KM41C1001	
	Toshiba	TC511001	
HM511001A	Toshiba	TC511001B	
HM511002	Micro-C	511002	
	MicronTech	MT4C1026	
	Motorola	MCM511002	
	NEC	μPD421002	
	OKI	MSM511002	
	Panasonic	MN41C1002	
	Samsung	KM41C1002	
HM511002A	Toshiba	TC511002	
HM5116100	MicronTech	MT4C10016	
HM5116400	MicronTech	MT4C40004	
HM51256	GoldStar	GM71C256	
	Samsung	KM41C256	
	Vitelic	V53C256	
HM51258	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	Samsung	KM41C258	
	Vitelic	V53C258	
HM514100	MicronTech	MT4C1004	
	Motorola	MCM514100	
	NEC	μPD424100	
	Samsung	KM41C4000	
	Toshiba	TC514100	
		TC514101	
HM514101	Samsung	KM41C4001	
HM514102	Samsung	KM41C4002	
	Toshiba	TC514102	
HM514256	GoldStar	GM71C4256	
		GM71C7256	
	Krueger	514256-100	
		514256-70	
		514256-80	
	Micro-C	414256	
	MicronTech	MT4C4256	
	Motorola	MCM514256	
	NEC	μPD424256	
	OKI	MSM514256	
	Panasonic	MN41C4256	
	Samsung	KM44C256	
HM514256			(Cont'd)
	Toshiba	TC514256	
	Vitelic	V53C104	
HM514256A	Toshiba	TC514256B	
HM514258	MicronTech	MT4C4258	
	Motorola	MCM514258	
	OKI	MSM514258	
	Panasonic	MN41C4258	
	Samsung	KM44C258	
	Toshiba	TC514258	
HM514258A	Toshiba	TC514258B	
HM514266	Toshiba	TC514266	
HM514266A	Toshiba	TC514266B	
HM514400	Micro-C	514100	
	MicronTech	MT4C1001	
	Motorola	MCM514400	
	NEC	μPD424400	
	Samsung	KM44C1000	
	Toshiba	TC514400	
HM514402	Samsung	KM44C1002	
	Toshiba	TC514402	
HM514410	NEC	μPD424410	
	Toshiba	TC514410	
HM53235	MicronTech	MT42C4255	
HM53251	MicronTech	MT42C4256	
HM534251	NEC	μPD42273	
	Samsung	KM424C256	
HM534252	Samsung	KM424C257	
HM534253	NEC	μPD42274	
	Samsung	KM424C257	
HM53461	GoldStar	GM53C261	
		GM53C461	
	Krueger	4461-100	
		4461-120	
		4461-150	
	Micro-C	V64KX4	
	NEC	μPD41264	
	Panasonic	MN47464	
	Samsung	KM424C64	
	Vitelic	V53C261	
HM538121	MicronTech	MT42C8127	
	Samsung	KM428C128	
HM538122	Samsung	KM428C128	
HM538123	MicronTech	MT42C8128	
	Samsung	KM428C128	
HM561003	OKI	MSC2304	
HM6116	AMD	AM9122	
	AT&T	ATT7C116	
	Cypress	CY6116	
	GoldStar	GM76C28	
	Harris	HM65162	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	LogicDev	L6116	
	Micro-C	S2KX8	
	Mosel	MS6516	
	Panasonic	MN4416	
	Performance	P4C116	
	Sony	CXK5816	
	UMC	UM6116	
HM61256	Catalyst		
	Semi	CAT71C256	
HM6147	Cypress	CY7C147	
	Harris	HM6504	
	Krueger	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
	Performance	P4C147	
	SGS-Thomson		
		IMS1203	
HM6148	AMD	AM2148	
	Cypress	CY21L48	
		CY7C148	
	Harris	HM6514	
	Krueger	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
	SGS-Thomson		
		IMS1223	
	UMC	UM2148	
HM6167	Cypress	CY7C167	
	Harris	HM65262	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	LogicDev	L7C167	
	Micro-C	S16KX1	
HM6167			(Cont'd)
	SGS-Thomson		
		IMS1403	
	UMC	UM6167	
HM6168	AMD	AM2168	
	Cypress	CY7C168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
	Micro-C	S4KX4	
	Performance	P4C148	
		P4C168	
	SGS-Thomson		
		IMS1423	
	UMC	UM6168	
HM62A168	AT&T	ATT7C183	
	MicronTech	**MT56C0816**	**(3581)**
	Samsung	KM78C80	
	Toshiba	TC55188	
HM62A188	MicronTech	MT56C0818	
	Toshiba	TC55187	
HM6207	AT&T	ATT7C197	
	LogicDev	L7C197	
	MicronTech	MT5C2561	
	Paradigm	PDM41257	
	Samsung	KM61257	
	Sony	CXK51256	
HM6208	AT&T	ATT7C194	
	IDT	IDT71258	
	LogicDev	L7C194	
	Micro-C	S64KX4	
	MicronTech	MT5C2564	
	Mosel	MS62252	
	NEC	μPD43254	
	Paradigm	PDM41258	
	Performance	P4C1258	
	Samsung	KM64257	
	Sony	CXK54256	
	Toshiba	TC55464	
HM6209	IDT	IDT61298	
	Toshiba	TC55465	
HM621100	AT&T	ATT7C107	
HM6216	Mosel	MS6516	
HM62256	Catalyst		
	Semi	CAT71C256	
	GoldStar	GM76C256	
	Inova	S32K8	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	Micro-C	S32KX8	
	Mosel	MS62256	
	NEC	μPD43256	
	OKI	MSM51257	
	Panasonic	MN44256	
	Performance	P4C1256	
	Samsung	KM62256	
	Sony	CXK58257	
	Toshiba	TC55257	
	UMC	UM62256	
HM624256	AT&T	ATT7C106	
	Inova	S256K4	
	MicronTech	MT5C1005	
	Mosel	MS621002	
	NEC	μPD431004	
	Samsung	KM641001	
HM624257	Samsung	KM641005	
HM6264	AT&T	ATT7C185	
	Cypress	CY7C186	
	GoldStar	GM76C88	
	Harris	HM65642	
		HM8808	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	LogicDev	L7C185	
		L7C199	
	Mosel	MS6264	
	OKI	MSM5165	
	Panasonic	MN4464	
	Performance	P4C164	
	Samsung	KM6264	
	SGS-Thomson		
		MK48H64	
	Sony	CXK5864	
	Toshiba	TC5563	
		TC5565	
	UMC	UM6264	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Hitachi (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
HM6264L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
HM6267	AMD	AM2167	
	AT&T	ATT7C167	
	Cypress	CY7C167	
	IDT	IDT6167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	LogicDev	L7C167	
	Micro-C	S16KX1	
	MicronTech	MT5C1601	
	SGS-Thomson		
		IMS1403	
	Toshiba	TC5561	
		TC5562	
HM6268	AT&T	ATT7C168	
	Cypress	CY7C168	
	IDT	IDT6168	
	LogicDev	L7C168	
	Micro-C	S4KX4	
	MicronTech	MT5C1604	
	Motorola	MCM6268	
	Performance	P4C168	
	UMC	UM6168	
HM628128	AT&T	ATT7C109	
	Inova	S128K8	
	MicronTech	MT5C1008	
	Mosel	MS621008	
	NEC	μPD431000	
	Samsung	KM681000	
	Sony	CXK581000	
		CXK581001	
	Toshiba	TC551001	
	UMC	UM621024	
HM62832	AT&T	ATT7C199	
	IDT	IDT71256	
	Krueger	62256-025	
		62256-030	
		62256-035	
	Micro-C	S32KX8	
	MicronTech	MT5C2568	
	Mosel	MS62256	
	Samsung	KM68257	
	Toshiba	TC55328	
HM6287	AT&T	ATT7C187	
	Cypress	CY7C187	
	IDT	IDT7187	
	Krueger	6287-35	
		6287-45	
		6287-55	
	LogicDev	L7C187	
	Micro-C	S64KX1	
	MicronTech	MT5C1608	
		MT5C6401	
	NEC	μPD4361	
	Performance	P4C187	
	Toshiba	TC5561	
HM6288	AT&T	ATT7C164	
	Cypress	CY7C164	
	IDT	IDT7188	
	Krueger	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	LogicDev	L7C164	
	MicronTech	MT5C6404	
	OKI	MSM5188	
	Performance	P4C188	
	Samsung	KM6465	
	Toshiba	TC55416	
HM6289	IDT	IDT6198	
	Krueger	6289-25	
		6289-35	
		6289-45	
	MicronTech	MT5C6405	
	Samsung	KM6466	
	Toshiba	TC55417	
HM65256	Krueger	65256-100	
		65256-120	
	Micro-C	SX32KX8	
	Performance	P4C1256	
	Toshiba	TC51832	
HM658128	Inova	S128K8	
	Krueger	658128-100	
	MicronTech	MT45C8128	
	NEC	μPD431000	
	Samsung	KM658128	
	Toshiba	TC518129	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
HM658129	MicronTech	MT45C8129	
HM66204	Micro-C	S256KX4	
HM6707	LogicDev	L7C197	
	Mosel	MS62251	
	Motorola	MCM6207	
	Paradigm	PDM41257	
HM6708	IDT	IDT61B298	
		IDT71B258	
	LogicDev	L7C194	
	Motorola	MCM6208	
	Paradigm	PDM41258	
	Toshiba	TC55464	
HM6708A	Toshiba	TC55B464	
HM6709	MicronTech	MT5C2565	
	Samsung	KM64B258	
		KM64258	
	Toshiba	TC55465	
HM6709A	Toshiba	TC55B465	
HM6716	LogicDev	L6116	
	Micro-C	S4KX4	
	Performance	P4C116	
HM6787	Cypress	CY7C187	
	Krueger	6287-35	
		6287-45	
		6287-55	
	LogicDev	L7C187	
	Motorola	MCM6206	
		MCM6287	
	Sony	CXK5164	
	Toshiba	TC5562	
HM6788	Cypress	CY7C164	
	IDT	IDT7188	
	Krueger	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	LogicDev	L7C164	
	Micro-C	S16KX4PSC	
	Motorola	MCM6288	
	Performance	P4C188	
	Quality Semi	QS8888	
	Samsung	KM64B65	
	Sony	CXK5464	
	Toshiba	TC55416	
HM6789	AT&T	ATT7C166	
	Cypress	CY7B166	
	IDT	IDT6198	
	Krueger	6289-25	
		6289-35	
		6289-45	
	LogicDev	L7C166	
		L7C196	
	Micro-C	S16KX4PSC	
	Motorola	MCM6290	
	Quality Semi	QS8886	
	Samsung	KM64B66	
	Toshiba	TC55B417	
		TC55417	
HM68000	**Krueger**	**68000**	**(3548)**
♦ HN25085	Lansdale	HL7685	
♦ HN25089	Lansdale	HL7681	
	Gould AMI	S25089	
♦ HN25169	Lansdale	HL76161	
	Cypress	CY7C292	
	Waferscale	WS57C191	
		WS57C291	
HN2532	**Krueger**	**2532-350**	**(3548)**
HN27C010	Krueger	27C010	
HN27C1000	Catalyst		
	Semi	CAT27010	
HN27C101	AMD	AM27C010	
	Micro-C	27C1032	
	NEC	μPD27C1001	
	OKI	MSM271000	
	Toshiba	TC541000	
		TC571000	
	Waferscale	WS27C010	
HN27C102	Catalyst		
	Semi	CAT27C210	
HN27C1024	Krueger	27C210	
	NEC	μPD27C1024	
	OKI	MSM27C1024	
		MSM271024	
	Toshiba	TC54H1024	
		TC57H1024	
		TC57102	
HN27C128	Krueger	27C128-200	
		27C128-250	
	Waferscale	WS27C128	
HN27C256	AMD	AM27C256	
	Catalyst		
	Semi	CAT27HC256	
	Krueger	27C256-150	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
HN27C256	Krueger		(Cont'd)
		27C256-200	
		27C256-250	
	Micro-C	27C256	
	NEC	μPD27C256	
	OKI	MSM27C256	
	SEEQ	27C256	
	Toshiba	TC54256	
		TC57H256	
		TC57256	
	Waferscale	WS27C256	
HN27C301	AMD	AM27C100	
	Krueger	27C010	
	Toshiba	TC541001	
		TC571001	
	Waferscale	WS27C010	
HN27C512	Krueger	27C512-150	
		27C512-200	
		27C512-250	
HN27C64	Krueger	27C64-200	
		27C64-250	
		27C64-300	
	Micro-C	27C64	
HN27128	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
	SEEQ	27128	
HN27256	**Krueger**	**27256-200**	**(3548)**
		27256-250	**(3548)**
		27256-300	**(3548)**
	OKI	MSM27256	
HN27301	NEC	μPD27C1000	
HN27512	Catalyst		
	Semi	CAT27512	
	Krueger	**27512-200**	**(3548)**
		27512-250	**(3548)**
	Micro-C	27512	
	OKI	MSM27512	
	Waferscale	WS27C512	
HN462532	**Krueger**	**2532-450**	**(3548)**
	Micro-C	2532	
HN462716	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
HN4827128	OKI	MSM27128	
HN482732A	Krueger	2732A-250	
		2732A-300	
		2732A-350	
		2732A-450	
HN482764	**Krueger**	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
	Micro-C	2764	
	OKI	MSM2764	
HN58C256	NEC	μPD28C256	
HN58C65	EXEL	XL2865	
	Fujitsu	MBM28C65	
	NEC	μPD28C64	
	OKI	MSM28C64	
HN58C66	NEC	μPD28C64	
HN58064	Catalyst		
	Semi	CAT28C64	
	EXEL	XL2864	
	Fujitsu	MBM28C64	
	NEC	μPD28C64	
HN613128	Panasonic	MN23128	
HN613256	Panasonic	MN23257	
HN61364	Hughes	H23C64	
		H23C65	
	Panasonic	MN2364	
HN61365	Hughes	H23C64	
		H23C65	
HN6207	Cypress	CY7C197	
HN6208	Cypress	CY7C194	
HN621601	Toshiba	TC5316200	
HN62256	Cypress	CY7C198	
HN62301	GoldStar	GM231000	
	NEC	μPD23C1000	
	Panasonic	MN231001	
HN62304	OKI	MSM534001	
	Panasonic	MN234001	
	UMC	UM23C4001	
HN62321	Hitachi	TC531000	
	OKI	MSM531000	
		MSM531001	
	Samsung	KM23C1000	
	Toshiba	TC531001	
	UMC	UM23C1024	
		UM23C1025	
HN623257	OKI	MSM53256	
	UMC	UM23C256	

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Manufacturer Device	Replacement Source	Device	IC Master Page
HN62331	Hitachi	TC531000	
	Samsung	KM23C1000	
	Toshiba	TC531001	
HN62401	Samsung	KM23C16000	
	Toshiba	TC534000	
HN62404	OKI	MSM534002	
	Panasonic	MN234000	
	Samsung	KM23C4100	
	Toshiba	TC534200	
	UMC	UM23C4000	
HN62408	Samsung	KM23C8100	
HN62412	Samsung	KM23C2100	
	UMC	UM23C2000	
HN62422	Samsung	KM23C2100	
HN62424	Samsung	KM23C4100	
HN62801	Toshiba	TC538200	
HN62832	Cypress	CY7C199	
HN6707	Cypress	CY7C197	
HN6708	Cypress	CY7C194	
HN6716	Cypress	CY7C128	
♦ HS74LS640	Motorola	SN74LS640	
	Signetics	74LS640	
		74LS640-1	
♦ HS74LS640	TI	SN74LS640	
		SN74LS640-1	
S6561	Samsung	KS5164	
TC55417	Micro-C	S32KX8	
100422	Krueger	100422	
100474	Krueger	100474	
10422	Krueger	10422	
10474	Krueger	10474	
146818	**Krueger**	**146818**	**(3548)**
212141422	Micro-C	41256	
3652	Micro-C	41256	
4334	Krueger	21C14-150	
		21C14-200	
		21C14-450	
50256	Micro-C	41256	
51258	Micro-C	41258	
6231401	Micro-C	41256	
6231555	Micro-C	41256	
8493286	Micro-C	4164	
8493689	Micro-C	4164	

Holt Integrated Circuits

HI8010	Micrel	MIC8010
HI8011	Gould AMI	S4520
		S4521
HI8020	Gould AMI	S4520
		S4521
HI8575	TLSI	TL14575

Honeywell

HDAC10180	GEC Plessey	SP97618
HDAC10181	GEC Plessey	SP97618
HDAC34010	GEC Plessey	ZN454
HDAC34020	GEC Plessey	ZN454
HDAC51400	GEC Plessey	SP98608
HDAC77100	GEC Plessey	SP97508
HDAC77200	GEC Plessey	SP97508
HDA97000	GEC Plessey	SP97618

Hughes

HB3248	EXEL	XL2816
HC3104	EXEL	XL2804
HC3248	EXEL	XL2816
HI3248	EXEL	XL2816

Hyundai

HY27C64	Krueger	27C64-200
		27C64-250
		27C64-300
HY2764	SEEQ	2764
HY5C4256	MicronTech	MT4C4256
HY51C1000	Krueger	511000-100
		511000-70
		511000-80
	MicronTech	MT4C1024
		MT4C1027
HY51C1001	MicronTech	MT4C1025
HY51C1002	MicronTech	MT4C1026
HY51C256	Krueger	41256-080
		41256-100 **(3548)**
		41256-120 **(3548)**
		41256-150 **(3548)**
HY51C4256	Krueger	514256-100
		514256-70
		514256-80

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Hyundai (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
HY51C4256			(Cont'd)
	MicronTech	MT4C4260	
HY51C4258	MicronTech	MT4C4258	
HY51C464	Krueger	41464-100	
		41464-120	
		41464-150	
HY51464	Krueger	41464-100	
		41464-120	
		41464-150	
HY5164	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
HY53C256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
HY53C464	Krueger	41464-100	
		41464-120	
		41464-150	
	MicronTech	MT4067	
HY61C16	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
HY61C67	SGS-Thomson	MK41H67	
HY61C68	SGS-Thomson	MK41H68	
HY6116	SGS-Thomson	MK6116	
HY62C256	Toshiba	TC55257	
HY62C64	NEC	µPD28C64	
HY62C64P-70	Krueger	6264-070	
HY62C87	SGS-Thomson	IMS1600	
HY62C88	SGS-Thomson	IMS1620	
HY62256	SGS-Thomson	MK4832	
HY6264	**Krueger**	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
		6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
	Mosel	MS6264	
	SGS-Thomson	MK48H64	
	Toshiba	TC5563	
		TC5565	
HY63C256	Catalyst Semi	CAT71C256	
	Inova	S32K8	
	Toshiba	TC55328	
HY93C46	**Catalyst Semi**	**CAT93C46**	**(3424)**
	EXEL	XL93C46	
		XL93LC46	
	ICT	93C46	
	OKI	MSM16811	
HY93C46ES	ICT	93C46API	
		93C46PI	
HY93C46J	ICT	93C46AS	
		93C46S	
HY93C46S	ICT	93C46AP	
		93C46P	
841	Micro-C	841	

I C Sensors

Manufacturer Device	Replacement Source	Device	IC Master Page
ICS1501	Holt	HI8010	
ICS1502	Holt	HI8010	
ICS1503	Holt	HI8020	

Ideal Semiconductor

Manufacturer Device	Replacement Source	Device	IC Master Page
74AHCT00	Samsung	KS74AHCT00	
74AHCT01	Samsung	KS74AHCT01	
74AHCT02	Samsung	KS74AHCT02	
74AHCT03	Samsung	KS74AHCT03	
74AHCT04	Samsung	KS74AHCT04	
74AHCT05	Samsung	KS74AHCT05	
74AHCT08	Samsung	KS74AHCT08	
74AHCT09	Samsung	KS74AHCT09	
74AHCT10	Samsung	KS74AHCT10	
74AHCT107	Samsung	KS74AHCT107	
74AHCT109	Samsung	KS74AHCT109	
74AHCT11	Samsung	KS74AHCT11	
74AHCT112	Samsung	KS74AHCT112	
74AHCT12	Samsung	KS74AHCT12	
74AHCT121	Samsung	KS74AHCT121	
74AHCT123	Samsung	KS74AHCT123	
74AHCT138	Samsung	KS74AHCT138	
74AHCT139	Samsung	KS74AHCT139	
74AHCT14	Samsung	KS74AHCT14	
74AHCT148	Samsung	KS74AHCT148	
74AHCT155	Samsung	KS74AHCT155	
74AHCT157	Samsung	KS74AHCT157	
74AHCT158	Samsung	KS74AHCT158	
74AHCT161	Samsung	KS74AHCT161	
74AHCT163	Samsung	KS74AHCT163	
74AHCT164	Samsung	KS74AHCT164	
74AHCT165	Samsung	KS74AHCT165	
74AHCT173	Samsung	KS74AHCT173	
74AHCT174	Samsung	KS74AHCT174	
74AHCT175	Samsung	KS74AHCT175	
74AHCT191	Samsung	KS74AHCT191	
74AHCT240	Samsung	KS74AHCT240	
74AHCT241	Samsung	KS74AHCT241	
74AHCT244	Samsung	KS74AHCT244	
74AHCT245	Samsung	KS74AHCT245	
74AHCT257	Samsung	KS74AHCT257	
74AHCT258	Samsung	KS74AHCT258	
74AHCT259	Samsung	KS74AHCT259	
74AHCT266	Samsung	KS74AHCT266	
74AHCT273	Samsung	KS74AHCT273	
74AHCT299	Samsung	KS74AHCT299	
74AHCT32	Samsung	KS74AHCT32	
74AHCT366	Samsung	KS74AHCT366	
74AHCT373	Samsung	KS74AHCT373	
74AHCT374	Samsung	KS74AHCT374	
74AHCT393	Samsung	KS74AHCT393	
74AHCT399	Samsung	KS74AHCT399	
74AHCT423	Samsung	KS74AHCT423	
74AHCT51	Samsung	KS74AHCT51	
74AHCT533	Samsung	KS74AHCT533	
74AHCT534	Samsung	KS74AHCT534	
74AHCT540	Samsung	KS74AHCT540	
74AHCT541	Samsung	KS74AHCT541	
74AHCT563	Samsung	KS74AHCT563	
74AHCT564	Samsung	KS74AHCT564	
74AHCT573	Samsung	KS74AHCT573	
74AHCT574	Samsung	KS74AHCT574	
74AHCT58	Samsung	KS74AHCT58	
74AHCT590	Samsung	KS74AHCT590	
74AHCT592	Samsung	KS74AHCT592	
74AHCT593	Samsung	KS74AHCT593	
74AHCT640	Samsung	KS74AHCT640	
74AHCT643	Samsung	KS74AHCT643	
74AHCT646	Samsung	KS74AHCT646	
74AHCT648	Samsung	KS74AHCT648	
74AHCT73	Samsung	KS74AHCT73	
74AHCT74	Samsung	KS74AHCT74	
74AHCT86	Samsung	KS74AHCT86	
74HCTLS00	Samsung	KS74HCTLS00	
74HCTLS01	Samsung	KS74HCTLS01	
74HCTLS02	Samsung	KS74HCTLS02	
74HCTLS03	Samsung	KS74HCTLS03	
74HCTLS04	Samsung	KS74HCTLS04	
74HCTLS05	Samsung	KS74HCTLS05	
74HCTLS08	Samsung	KS74HCTLS08	
74HCTLS09	Samsung	KS74HCTLS09	
74HCTLS10	Samsung	KS74HCTLS10	
74HCTLS107A	Samsung	KS74HCTLS107	
		KS74HCTLS107A	
74HCTLS109	Samsung	KS74HCTLS109	
		KS74HCTLS109A	
74HCTLS11	Samsung	KS74HCTLS11	
74HCTLS112A	Samsung	KS74HCTLS112	
		KS74HCTLS112A	
♦ 74HCTLS12	Samsung	KS74HCTLS12	
74HCTLS121	Samsung	KS74HCTLS121	
74HCTLS123	Samsung	KS74HCTLS123	
74HCTLS138	Samsung	KS74HCTLS138	
74HCTLS139	Samsung	KS74HCTLS139	
♦ 74HCTLS14	Samsung	KS74HCTLS14	
74HCTLS148	Samsung	KS74HCTLS148	
74HCTLS155	Samsung	KS74HCTLS155	
74HCTLS157	Samsung	KS74HCTLS157	
74HCTLS158	Samsung	KS74HCTLS158	
74HCTLS161A	Samsung	KS74HCTLS161	
		KS74HCTLS161A	
74HCTLS163A	Samsung	KS74HCTLS163	
		KS74HCTLS163A	
74HCTLS164	Samsung	KS74HCTLS164	
74HCTLS165	Samsung	KS74HCTLS165	
74HCTLS166	Samsung	KS74HCTLS166	
74HCTLS173	Samsung	KS74HCTLS173	
74HCTLS174	Samsung	KS74HCTLS174	
74HCTLS175	Samsung	KS74HCTLS175	
74HCTLS191	Samsung	KS74HCTLS191	
74HCTLS193	Samsung	KS74HCTLS193	
74HCTLS240	Samsung	KS74HCTLS240	
♦ 74HCTLS241	Samsung	KS74HCTLS241	
74HCTLS244	Samsung	KS74HCTLS244	
74HCTLS245	Samsung	KS74HCTLS245	
74HCTLS257	Samsung	KS74HCTLS257	
74HCTLS258	Samsung	KS74HCTLS258	
74HCTLS259	Samsung	KS74HCTLS259	
74HCTLS266	Samsung	KS74HCTLS266	
74HCTLS273	Samsung	KS74HCTLS273	
74HCTLS299	Samsung	KS74HCTLS299	
74HCTLS32	Samsung	KS74HCTLS32	
74HCTLS365A	Samsung	KS74HCTLS365	
		KS74HCTLS365A	
74HCTLS366A	Samsung	KS74HCTLS366	
		KS74HCTLS366A	
74HCTLS367A	Samsung	KS74HCTLS367	
		KS74HCTLS367A	
74HCTLS368A	Samsung	KS74HCTLS368	
		KS74HCTLS368A	
74HCTLS373	Samsung	KS74HCTLS373	
74HCTLS374	Samsung	KS74HCTLS374	
74HCTLS393	Samsung	KS74HCTLS393	
74HCTLS399	Samsung	KS74HCTLS399	
74HCTLS51	Samsung	KS74HCTLS51	
74HCTLS533	Samsung	KS74HCTLS533	
74HCTLS534	Samsung	KS74HCTLS534	
74HCTLS540	Samsung	KS74HCTLS540	
74HCTLS541	Samsung	KS74HCTLS541	
74HCTLS563	Samsung	KS74HCTLS563	
74HCTLS564	Samsung	KS74HCTLS564	
74HCTLS573	Samsung	KS74HCTLS573	
74HCTLS574	Samsung	KS74HCTLS574	
74HCTLS58	Samsung	KS74HCTLS58	
74HCTLS590	Samsung	KS74HCTLS590	
74HCTLS592	Samsung	KS74HCTLS592	
74HCTLS593	Samsung	KS74HCTLS593	
74HCTLS640	Samsung	KS74HCTLS640	
74HCTLS643	Samsung	KS74HCTLS643	
74HCTLS646	Samsung	KS74HCTLS646	
74HCTLS648	Samsung	KS74HCTLS648	
74HCTLS73A	Samsung	KS74HCTLS73	
		KS74HCTLS73A	
74HCTLS74A	Samsung	KS74HCTLS74	
		KS74HCTLS74A	
74HCTLS76A	Samsung	KS74HCTLS76	
		KS74HCTLS76A	
74HCTLS78A	Samsung	KS74HCTLS78A	
74HCTLS86	Samsung	KS74HCTLS86	

ILC Data Device

Manufacturer Device	Replacement Source	Device	IC Master Page
ADC00401	Burr-Brown	ADC803	
ADC00403	Burr-Brown	ADC803	
ADC4450	Burr-Brown	ADC803	
ADC85	MicroNet	ADC85	
ADC87	MicroNet	ADC87	
ADH051	Burr-Brown	ADC803	
ADH8516	Burr-Brown	ADC803	
ADH8585	Burr-Brown	ADC85	
	MicroNet	ADC85	
ADH8586	Burr-Brown	ADC85	
		ADC87	
BUS61553	GEC Plessey	CT2553	
BUS61554	GEC Plessey	CT2554	
BUS61555	GEC Plessey	CT2555	
BUS61559	GEC Plessey	CT2559	
BUS62300	GEC Plessey	CT2077	
		CT3077	
BUS63102	GEC Plessey	CT3232	
BUS63104	GEC Plessey	CT3231	
BUS63105	GEC Plessey	CT1487	
BUS63106	GEC Plessey	CT1487	
BUS63107	GEC Plessey	CT1589	
BUS63108	GEC Plessey	CT1589	
BUS63112	GEC Plessey	CT3232	
BUS63114	GEC Plessey	CT3231	
BUS63115	GEC Plessey	CT1487	
BUS63116	GEC Plessey	CT1487	
BUS63117	GEC Plessey	CT1589	
BUS63118	GEC Plessey	CT1589	
BUS63125	GEC Plessey	CT1487	
BUS63126	GEC Plessey	CT1487	
BUS63127	GEC Plessey	CT1589	
BUS63128	GEC Plessey	CT1589	
BUS63135	GEC Plessey	CT1487	
BUS63136	GEC Plessey	CT1487	
BUS63137	GEC Plessey	CT1589	
BUS63138	GEC Plessey	CT1589	
BUS63147	GEC Plessey	CT2521	
BUS65111	GEC Plessey	CT2511	
BUS65112	GEC Plessey	CT2512	
BUS65113	GEC Plessey	CT2513	
BUS65142	GEC Plessey	CT2542	
BUS65201	GEC Plessey	CT1775	
BUS65600	GEC Plessey	CT2565	
BUS66300	GEC Plessey	CT2566	
BUS8555	GEC Plessey	CT3078	
DACS	Burr-Brown	ADC85	
DACSL	MicroNet	MN3860	
DAC02701	Burr-Brown	DAC811	
DAC87	Burr-Brown	DAC87	
	MicroNet	DAC87	
DDC5101	MicroNet	MN5101	
DDC5210	MicroNet	MN5210	
DDC5211	MicroNet	MN5211	
DDC5212	MicroNet	MN5212	
DDC5240	MicroNet	MN5240	
MN5216	MicroNet	MN5216	
THA05210	Analogic	SHA2200	
THA0523	**Burr-Brown**	**SHC803**	**(3420)**
		SHC804	**(3420)**

Inova Microelectronics

Manufacturer Device	Replacement Source	Device	IC Master Page
S32K8	IDT	IDT71256	
	Mosel	MS62256	

Integrated Device Technology

Manufacturer Device	Replacement Source	Device	IC Master Page
CYM1540	IDT	IDT7MB4040	
CYM1541	IDT	IDT7MB4040	
IDTIDT6116	AMD	AM9122	
IDT10A484	Synergy	SY10L484	
		SY10484	
IDT100A484	Synergy	SY100L484	
		SY100484	
IDT100480	Synergy	SY100480	
IDT100484	Cypress	CY100E484	
IDT100494	Cypress	CY101E494	
	Synergy	SY100L494	
IDT101A484	Synergy	SY101L484	
		SY101484	
IDT101480	Synergy	SY101480	
IDT101484	Cypress	CY100E484	
IDT101494	Cypress	CY101E494	
	Synergy	SY101L494	
IDT1018	Signal Proc	HDAC10180	
IDT10480	Synergy	SY10480	
IDT10484	Cypress	CY10E484	
IDT10494	Cypress	CY10E494	
	Synergy	SY10L494	
IDT1256	Performance	P4C1256	
IDT1257	Performance	P4C1257	
IDT1258	Performance	P4C1258	
IDT1681	Performance	P4C1681	
IDT1682	Performance	P4C1682	
IDT189	Samsung	KM6466	
IDT1981	Performance	P4C1981	
IDT1982	Performance	P4C1982	
IDT29C520	AMD	AM29520	
IDT29FCT52	Harris	CD74FCT2952	
	Performance	P29PCT52	
	Quality Semi	**QS29FCT52**	**(3613)**
IDT29FCT520	Harris	CD74FCT29520	
	LogicDev	L29C520	
	Performance	P29PCT520	
	Quality Semi	**QS29FCT520**	**(3613)**
IDT29FCT521	Harris	CD74FCT29521	
	LogicDev	L29C521	
	Performance	P29PCT521	
	Quality Semi	**QS29FCT521**	**(3613)**
IDT29FCT53	Harris	CD74FCT2953	
	Performance	P29PCT53	
	Quality Semi	**QS29FCT53**	**(3613)**
IDT29FCT818	Performance	P29PCT818	
IDT39C01	AMD	AM29C01	
		AM2901	
	Cypress	CY2901	
		CY7C901	
	Waferscale	WS5901	
IDT39C09	AMD	AM2909	
	Cypress	CY7C909	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Integrated Device Technology (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
IDT39C10	AMD	AM29C10	
	Cypress	CY7C910	
	Waferscale	**WS59510**	**(3753)**
IDT39C11	Cypress	CY7C911	
IDT39C60	AMD	AM2960	
IDT4210	**Waferscale**	**WS59510**	**(3753)**
IDT49C401	Cypress	CY7C9101	
	LogicDev	L29C101	
	Waferscale	WS59016	
IDT49C460	AMD	AM29C660	
IDT54FCT138	Performance	P54PCT138	
IDT54FCT139	Performance	P54PCT139	
IDT54FCT161	Performance	P54PCT161	
IDT54FCT163	Performance	P54PCT163	
IDT54FCT240	Performance	P54PCT240	
IDT54FCT241	Performance	P54PCT241	
IDT54FCT244	Performance	P54PCT244	
IDT54FCT245	Performance	P54PCT245	
IDT54FCT273	Performance	P54PCT273	
IDT54FCT373	Performance	P54PCT373	
IDT54FCT374	Performance	P54PCT374	
IDT54FCT377	Performance	P54PCT377	
IDT54FCT399	Performance	P54PCT399	
IDT54FCT521	Performance	P54PCT521	
IDT54FCT533	Performance	P54PCT533	
IDT54FCT543	Performance	P54PCT543	
IDT54FCT544	Performance	P54PCT544	
IDT54FCT545	Performance	P54PCT545	
IDT54FCT573	Performance	P54PCT573	
IDT54FCT574	Performance	P54PCT574	
IDT54FCT640	Performance	P54PCT640	
IDT54FCT643	Performance	P54PCT643	
IDT54FCT645	Performance	P54PCT645	
IDT54FCT646	Performance	P54PCT646	
IDT54FCT648	Performance	P54PCT648	
IDT54FCT651	Performance	P54PCT651	
IDT54FCT652	Performance	P54PCT652	
IDT54FCT823	Performance	P54PCT823	
IDT54FCT825	Performance	P54PCT825	
IDT54FCT827	Performance	P54PCT827	
IDT54FCT828	Performance	P54PCT828	
IDT54FCT833	Performance	P54PCT833	
IDT54FCT841	Performance	P54FCT841	
IDT54FCT843	Performance	P54PCT843	
IDT54FCT853	Performance	P54PCT853	
IDT61B298	Samsung	KM64B258	
IDT61B928	Motorola	MCM6708	
		MCM6709	
IDT61B98	Samsung	KM64B66	
IDT6116	AT&T	ATT7C116	
	Cypress	CY6116	
		CY7C128	
	Harris	HM65162	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	LogicDev	L6116	
	Mosel	MS6516	
	Performance	P4C116	
	UMC	UM6116	
	Vitelic	V61C16	
IDT61258	Samsung	KM64258	
IDT6129	Cypress	CY7C196	
IDT61298	AT&T	ATT7C195	
	LogicDev	L7C195	
	MicronTech	MT5C2565	
	Motorola	MCM6209	
	Paradigm	PDM41298	
	Performance	P4C1298	
	Toshiba	TC55465	
	Vitelic	V63C71	
IDT61593	Motorola	MCM6293	
IDT61594	Motorola	MCM6294	
IDT61595	Motorola	MCM6295	
IDT6167	AMD	AM2167	
	AT&T	ATT7C167	
	Cypress	CY7C167	
	Harris	HM65262	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	LogicDev	L7C167	
	MicronTech	MT5C1601	
	NEC	μPD4311	
	SGS-Thomson		
		IMS1403	
		MK41H67	
IDT6168	AMD	AM2168	
		AM2169	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
IDT6168			(Cont'd)
	AT&T	ATT7C168	
	Cypress	CY7C168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
	Micro-C	S4KX4	
	MicronTech	MT5C1604	
	Motorola	MCM6268	
	Performance	P4C168	
	SGS-Thomson		
		IMS1423	
		MK41H68	
	UMC	UM6168	
IDT6177	AT&T	ATT7C181	
IDT6178	AT&T	ATT7C180	
	LogicDev	L7C180	
	Motorola	MCM4180	
	SGS-Thomson		
		MK41H80	
		MK41S80	
IDT6197	Cypress	CY7C170	
IDT61970	AT&T	ATT7C170	
	Motorola	MCM6270	
IDT6198	AT&T	ATT7C166	
	Cypress	CY7C166	
	Krueger	6289-25	
		6289-35	
		6289-45	
	LogicDev	L7C166	
	MicronTech	MT5C6405	
	Motorola	MCM6290	
	Performance	P4C198	
	Quality Semi	QS8886	
	Sony	CXK5465	
	Toshiba	TC55417	
IDT7MB4048	Cypress	CYM1464	
	Inova	S512K8	
IDT7MC4005	Cypress	CYM1611	
	Dense-Pac	DPS16X17	
IDT7MC4032	Cypress	CYM1822	
IDT7MP4008	Cypress	CYM1460	
		CYM1461	
IDT7MP4028	Dense-Pac	DPS64S16	
IDT7MP4031	Cypress	CYM1821	
IDT7MP4036	Cypress	CYM1831	
IDT7MP4045	Cypress	CYM1841	
IDT7MP456	LogicDev	LMM456	
IDT7MP6084	AT&T	ATTM6084	
IDT7MP6094	AT&T	ATTM6094	
IDT7M205	Cypress	CYM4210	
IDT7M206	Cypress	CYM4210	
IDT7M4016	Cypress	CYM1641	
	LogicDev	LMM4016	
IDT7M4017	Cypress	CYM1830	
	Dense-Pac	DPS6433	
IDT7M4042	Inova	S256K4	
IDT7M4048	Cypress	CYM1466	
	Inova	S512K8	
IDT7M624	Cypress	CYM1621	
	Dense-Pac	DPS1027	
	LogicDev	LMM624	
IDT7M656	Dense-Pac	DSP257	
IDT7M7864	NEC	μPD28C64	
IDT7M856	Inova	S32K8	
IDT7M864	Harris	HM65642	
		HM8808	
IDT7N4017	Cypress	CYM1830	
IDT71B256	Motorola	MCM6706	
IDT71B258	Motorola	MCM6708	
IDT71B88	Samsung	KM64B65	
IDT71C165	Mosel	MS6264	
IDT71024	AT&T	ATT7C109	
	Cypress	CY7C108	
	MicronTech	MT5C1008	
	Mosel	MS621008	
	Paradigm	PDM41024	
	Samsung	KM681001	
	Toshiba	TC551001	
IDT71027	AT&T	ATT7C107	
	MicronTech	MT5C1001	
	Samsung	KM611001	
IDT71028	AT&T	ATT7C106	
	MicronTech	MT5C1005	
	Mosel	MS621002	
	Samsung	KM641001	
IDT7105	SGS-Thomson		
		MK45H08	
IDT71231	Performance	P4C1281	
IDT71232	Performance	P4C1282	

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Manufacturer Device	Replacement Source	Device	IC Master Page
IDT71256	AT&T	ATT7C199	
	Cypress	CY7C198	
	Dense-Pac	DPS92256	
	Inova	S32K8	
	Krueger	62256-025	
		62256-030	
		62256-035	
		62256-070	
		62256-085	
		62256-100	
		62256-120	
	LogicDev	L7C199	
	MicronTech	MT5C2568	
	Mosel	MS62256	
	Motorola	MCM6206	
	NEC	μPD43256	
	Paradigm	PDM41256	
	Samsung	KM68257	
	Sony	CXK58258	
	Toshiba	TC55257	
		TC55328	
IDT71257	AT&T	ATT7C197	
	Cypress	CY7C197	
	LogicDev	L7C197	
	MicronTech	MT5C2561	
	Mosel	MS62251	
	Paradigm	PDM41257	
	Samsung	KM61257	
	Sony	CXK51256	
IDT712575	Motorola	MCM6207	
IDT71258	AT&T	ATT7C194	
	Cypress	CY7C194	
	LogicDev	L7C194	
	MicronTech	MT5C2564	
	Mosel	MS62252	
	Motorola	MCM6208	
	NEC	μPD43254	
	Paradigm	PDM41258	
	Samsung	KM64257	
	Sony	CXK54256	
	Toshiba	TC55464	
	Vitelic	V63C70	
IDT71259	Motorola	MCM6205	
	Toshiba	TC55329	
IDT7128	Cypress	CY7C192	
IDT71281	AT&T	ATT7C191	
	Cypress	CY7C191	
	LogicDev	L7C191	
	Paradigm	PDM41251	
	Samsung	KM64260	
IDT71282	AT&T	ATT7C192	
	LogicDev	L7C192	
	Paradigm	PDM41252	
	Samsung	KM64259	
IDT7130	AMD	AM2130	
	Cypress	CY7C130	
		CY7C131	
	Mosel	6130	
IDT7132	Cypress	CY7C132	
	Mosel	6132	
IDT71342	Mosel	61342	
IDT7140	Cypress	CY7C140	
		CY7C141	
IDT71421	Cypress	CY7C142	
IDT71586	UMC	UM61166	
IDT7164	AT&T	ATT7C185	
	Cypress	CY7C185	
		CY7C186	
	Dense-Pac	DPS9264	
	Harris	HM65642	
		HM8808	
	Krueger	6264-025	
		6264-035	
		6264-045	
	LogicDev	L7C185	
	MicronTech	MT5C6408	
	Mosel	MS6264	
	Motorola	MCM6264	
	Performance	P4C164	
	SGS-Thomson		
		IMS1630	
	Sony	CXK5863	
	Toshiba	TC5563	
		TC5565	
		TC5588	
	UMC	UM6164	
	Vitelic	V63C64	
IDT7164-35	Krueger	6264LP-035	
IDT7164-45	Krueger	6264LP-045	
IDT7165	AT&T	ATT7C186	
	LogicDev	L7C186	
	Mosel	MS6264	

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Manufacturer Device	Replacement Source	Device	IC Master Page
IDT71681	AT&T	ATT7C171	
	Cypress	CY7C170	
	LogicDev	L7C171	
	MicronTech	MT5C1606	
IDT71682	AT&T	ATT7C172	
	Cypress	CY7C172	
	LogicDev	L7C172	
	MicronTech	MT5C1607	
IDT7169	Toshiba	TC5589	
IDT7174	AT&T	ATT7C174	
	LogicDev	L7C174	
	SGS-Thomson		
		MK48H74	
IDT7178	LogicDev	L7C181	
IDT7187	AT&T	ATT7C187	
	Cypress	CY7C187	
	Krueger	6287-35	
		6287-45	
		6287-55	
	LogicDev	L7C187	
	MicronTech	MT5C1608	
		MT5C6401	
	Motorola	MCM6287	
	NEC	μPD4361	
	Performance	P4C187	
	SGS-Thomson		
		IMS1600	
	Sony	CXK5164	
	Toshiba	TC5561	
		TC5562	
IDT7188	AT&T	ATT7C164	
	Cypress	CY7C164	
	Krueger	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	LogicDev	L7C164	
	MicronTech	MT5C6404	
	Motorola	MCM6288	
	NEC	μPD4362	
	Performance	P4C188	
	Quality Semi	QS8888	
	Samsung	KM6465	
	SGS-Thomson		
		IMS1620	
	Sony	CXK5464	
	Toshiba	TC55416	
IDT7198	AT&T	ATT7C165	
	Cypress	CY7C166	
	LogicDev	L7C165	
	Performance	P4C198A	
	Quality Semi	QS8885	
	SGS-Thomson		
		IMS1624	
IDT71981	AT&T	ATT7C161	
	Cypress	CY7C161	
	LogicDev	L7C161	
	MicronTech	MT5C6406	
	Quality Semi	QS8881	
IDT71982	AT&T	ATT7C162	
	Cypress	CY7C162	
	LogicDev	L7C162	
	MicronTech	MT5C6407	
	Quality Semi	QS8882	
IDT7200	AMD	AM7200	
	LogicDev	L8C200	
	Mosel	7200	
IDT7201	AMD	AM7201	
	Cypress	CY7C420	
		CY7C421	
	Exar	XRT7201	
	LogicDev	L8C201	
	MicronTech	MT52C9005	
	Mosel	7201	
	Quality Semi	QS8201	
	Samsung	KM75C01	
	SGS-Thomson		
		MK45H01	
		MK4501	
	Vitelic	V61C01	
IDT7201L-25P			
	Samsung	AM7201-25PC	
IDT7201LA-25P			
	Samsung	AM7201-25PC	
IDT7201S-25P			
	Samsung	AM7201-25PC	
IDT7201SA-25P			
	Samsung	AM7201-25PC	
IDT72011	LogicDev	L8C2011	
IDT7202	AMD	AM7202	
	Cypress	CY7C424	
		CY7C425	
	Exar	XRT7202	
	LogicDev	L8C202	
	MicronTech	MT52C9010	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Integrated Device Technology (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
IDT7202			(Cont'd)
	Mosel	7202	
	Quality Semi	QS8202	
	Samsung	KM75C02	
	Vitelic	V61C02	
IDT72021	LogicDev	L8C2021	
	Samsung	KM75C102	
IDT7203	AMD	AM7203	
	Cypress	CY7C428	
		CY7C429	
	Exar	XRT7203	
	LogicDev	L8C203	
	MicronTech	MT52C9020	
	Mosel	7203	
	Samsung	KM75C03	
	UMC	UM4503	
IDT72031	LogicDev	L8C2031	
	Samsung	KM75C103	
IDT7204	AMD	AM7204	
	LogicDev	L8C204	
	Mosel	7204	
	SGS-Thomson	MK45H04	
IDT72041	LogicDev	L8C2041	
	Samsung	KM75C104	
IDT72045	Cypress	CY7C433	
IDT7205	AMD	AM7205	
IDT7209	LogicDev	LMA1009	
		LMU2009	
IDT7210	Cypress	CY7C510	
	LogicDev	LMA1010	
IDT72115	Mosel	72115	
IDT7212	LogicDev	LMU12	
IDT7216	AMD	AM29C516A	
	Cypress	CY7C516	
	LogicDev	LMU16	
		LMU216	
IDT7217	AMD	AM29C517A	
	Cypress	CY7C517	
	LogicDev	LMU17	
		LMU217	
IDT72401	AMD	C57401	
		57401	
		67C401	
	Cypress	CY7C401	
	GEC Plessey	MV66401	
	LogicDev	L8C401	
IDT72402	AMD	C57402	
		57402	
		67C402	
	Cypress	CY7C402	
	GEC Plessey	MV66402	
	LogicDev	L8C402	
IDT72403	AMD	67C4013	
	Cypress	CY7C403	
	GEC Plessey	MV66403	
	LogicDev	L8C403	
IDT72404	AMD	67C4023	
	Cypress	CY7C404	
	GEC Plessey	MV66404	
	LogicDev	L8C404	
IDT72413	AMD	57413	
	LogicDev	L8C413	
IDT7243	LogicDev	LMA1010	
♦ IDT74AHCT138			
	Ideal Semi	**74AHCT138**	**(3532)**
	Samsung	KS74AHCT138	
♦ IDT74AHCT139			
	Ideal Semi	**74AHCT139**	**(3532)**
	Samsung	KS74AHCT139	
♦ IDT74AHCT161			
	Ideal Semi	**74AHCT161**	**(3532)**
	Samsung	KS74AHCT161	
♦ IDT74AHCT163			
	Ideal Semi	**74AHCT163**	**(3532)**
	Samsung	KS74AHCT163	
♦ IDT74AHCT182			
	Samsung	KS74AHCT182	
♦ IDT74AHCT191			
	Ideal Semi	**74AHCT191**	**(3532)**
	Samsung	KS74AHCT191	
♦ IDT74AHCT193			
	Samsung	KS74AHCT193	
♦ IDT74AHCT240			
	Ideal Semi	**74AHCT240**	**(3532)**
	Samsung	KS74AHCT240	
♦ IDT74AHCT244			
	Ideal Semi	**74AHCT244**	**(3532)**
	Samsung	KS74AHCT244	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ IDT74AHCT245			
	Ideal Semi	**74AHCT245**	**(3532)**
	Samsung	KS74AHCT245	
♦ IDT74AHCT273			
	Ideal Semi	**74AHCT273**	**(3532)**
	Samsung	KS74AHCT273	
♦ IDT74AHCT299			
	Ideal Semi	**74AHCT299**	**(3532)**
	Samsung	KS74AHCT299	
♦ IDT74AHCT373			
	Ideal Semi	**74AHCT373**	**(3533)**
	Samsung	KS74AHCT373	
♦ IDT74AHCT374			
	Ideal Semi	**74AHCT374**	**(3533)**
	Samsung	KS74AHCT374	
♦ IDT74AHCT377			
	Samsung	KS74AHCT377	
♦ IDT74AHCT521			
	Samsung	KS74AHCT521	
♦ IDT74AHCT533			
	Ideal Semi	**74AHCT533**	**(3533)**
	Samsung	KS74AHCT533	
IDT74FCT138	Harris	CD74ACT138	
	Performance	P74PCT138	
	Quality Semi	**QS74FCT138**	**(3613)**
IDT74FCT139	Harris	CD74ACT139	
	Performance	P74PCT139	
	Quality Semi	**QS74FCT139**	**(3613)**
IDT74FCT151	Harris	CD74ACT151	
IDT74FCT157	Harris	CD74ACT157	
IDT74FCT161	Harris	CD74ACT161	
	Performance	P74PCT161	
IDT74FCT163	Harris	CD74ACT163	
	Performance	P74PCT163	
IDT74FCT191	Harris	CD74ACT191	
IDT74FCT193	Harris	CD74ACT193	
IDT74FCT240	Harris	CD74FCT240	
	Performance	P74PCT240	
	Quality Semi	**QS74FCT240**	**(3613)**
IDT74FCT241	Harris	CD74FCT241	
	Performance	P74PCT214	
	Quality Semi	**QS74FCT241**	**(3613)**
IDT74FCT244	Harris	CD74FCT244	
	Performance	P74PCT244	
	Quality Semi	**QS74FCT244**	**(3613)**
IDT74FCT245	Harris	CD74FCT245	
	Performance	P74PCT245	
	Quality Semi	**QS74FCT245**	**(3613)**
IDT74FCT251	Harris	CD74ACT251	
IDT74FCT257	Harris	CD74ACT257	
IDT74FCT273	Harris	CD74FCT273	
	Performance	P74PCT273	
	Quality Semi	**QS74FCT273**	**(3613)**
IDT74FCT299	Harris	CD74ACT299	
IDT74FCT373	Harris	CD74FCT373	
	Performance	P74PCT373	
	Quality Semi	**QS74FCT373**	**(3613)**
IDT74FCT374	Harris	CD74FCT374	
	Performance	P74PCT374	
	Quality Semi	**QS74FCT374**	**(3613)**
IDT74FCT377	Harris	CD74FCT377	
	Performance	P74PCT377	
	Quality Semi	**QS74FCT377**	**(3613)**
IDT74FCT399	Performance	P74PCT399	
IDT74FCT521	Performance	P74PCT521	
	Quality Semi	**QS74FCT521**	**(3613)**
IDT74FCT533	Harris	CD74FCT533	
	Performance	P74PCT533	
	Quality Semi	QS74FCT533	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
IDT74FCT534	Harris	CD74FCT534	
	Performance	P74PCT534	
	Quality Semi	**QS74FCT534**	**(3613)**
IDT74FCT540	Harris	CD74FCT540	
	Quality Semi	**QS74FCT540**	**(3613)**
IDT74FCT541	Harris	CD74FCT541	
	Quality Semi	**QS74FCT541**	**(3613)**
IDT74FCT543	Harris	CD74FCT543	
	Performance	P74PCT543	
	Quality Semi	**QS74FCT543**	**(3614)**
IDT74FCT545	Performance	P74PCT545	
IDT74FCT573	Harris	CD74FCT573	
	Performance	P74PCT573	
	Quality Semi	**QS74FCT573**	**(3613)**
IDT74FCT574	Harris	CD74FCT574	
	Performance	P74PCT574	
	Quality Semi	QS74FCT574	
IDT74FCT640	Harris	CD74FCT640	
	Performance	P74PCT640	
IDT74FCT643	Performance	P74PCT643	
IDT74FCT645	Performance	P74PCT645	
IDT74FCT646	Harris	CD74FCT646	
	Performance	P74PCT646	
	Quality Semi	**QS74FCT646**	**(3613)**
IDT74FCT648	Harris	CD74FCT648	
	Performance	P74PCT648	
	Quality Semi	**QS74FCT648**	**(3613)**
IDT74FCT651	Harris	CD74FCT651	
	Performance	P74PCT651	
	Quality Semi	**QS74FCT651**	**(3613)**
IDT74FCT652	Harris	CD74FCT652	
	Performance	P74PCT652	
	Quality Semi	**QS74FCT652**	**(3613)**
IDT74FCT821	AMD	AM29C821	
		AM29821	
	Harris	CD74FCT821	
	Performance	P54PCT821	
		P74PCT821	
	Quality Semi	**QS74FCT821**	**(3613)**
IDT74FCT822	Harris	CD74FCT822	
IDT74FCT823	AMD	AM29C823	
		AM29823	
	Harris	CD74FCT823	
	Performance	P74PCT823	
	Quality Semi	**QS74FCT823**	**(3613)**
IDT74FCT824	Harris	CD74FCT824	
IDT74FCT825	Performance	P74PCT825	
	Quality Semi	**QS74FCT825**	**(3613)**
IDT74FCT827	AMD	AM29C827	
		AM29827	
	Harris	CD74FCT827	
	Performance	P74PCT827	
	Quality Semi	**QS74FCT827**	**(3613)**
IDT74FCT828	AMD	AM29C828	
	Harris	CD74FCT828	
	Performance	P74PCT828	
	Quality Semi	QS74FCT828	
IDT74FCT833	AMD	AM29C833	
		AM29833	
	Performance	P74PCT833	
IDT74FCT841	AMD	AM29C841	
		AM29841	
	Harris	CD74FCT841	
	Performance	P74FCT841	
		P74PCT841	
	Quality Semi	**QS74FCT841**	**(3614)**
IDT74FCT842	Harris	CD74FCT842	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
IDT74FCT843	AMD	AM29C843	
		AM29843	
	Harris	CD74FCT843	
	Quality Semi	**QS74FCT843**	**(3614)**
IDT74FCT844	Harris	CD74FCT844	
IDT74FCT845	**Quality Semi**	**QS74FCT845**	**(3614)**
IDT74FCT853	AMD	AM29C853	
		AM29853	
	Performance	P74PCT853	
IDT74FCT861	AMD	AM29C861	
		AM29861	
	Harris	CD74FCT861	
	Quality Semi	**QS74FCT861**	**(3613)**
IDT74FCT862	Harris	CD74FCT862	
	Quality Semi	**QS74FCT862**	**(3613)**
IDT74FCT863	AMD	AM29C863	
		AM29863	
	Harris	CD74FCT863	
	Quality Semi	**QS74FCT863**	**(3613)**
IDT74FCT864	Harris	CD74FCT864	
	Quality Semi	**QS74FCT864**	**(3613)**
♦ IDT74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
♦ IDT74HC240	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson	M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
♦ IDT74HC240	TI	SN74HC240	
	Toshiba	TC74HC240A	
IDT75C18	GEC Plessey	SP97618	
IDT78C64	NEC	μPD28C64	
IDT8M612	Dense-Pac	DPS8M612	
IDT8M624	Cypress	CYM1620	
	Dense-Pac	DPS8M624	
	Inova	S64K16	
IDT8M628	Dense-Pac	DPS8M628	
IDT8M656	Cypress	CYM1610	
	Dense-Pac	DPS8M656	
IDT8M824	Cypress	CYM1420	
		CYM1421	
		CYM1422	
		CYM1423	
	Dense-Pac	DPS41288	
	Inova	S128K8	
	LogicDev	LMM824	
IDT8M856	Dense-Pac	DPS41257	
IDT8M864	Harris	HM65642	
		HM8808	
IDT8N624	Cypress	CYM1620	
MK4503	SGS-Thomson	MK45H03	
		MK4503	
P74PCT533	IDT	IDT74FCT533	
UDT7202	SGS-Thomson	MK45H02	
29FCT521	**Waferscale**	**WS59520**	**(3753)**
		WS59521	**(3753)**
7164	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
♦ 74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
♦ 74HC240	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson	M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
♦ 74HC240	TI	SN74HC240	
	Toshiba	TC74HC240A	

(Continued)

ALT. SOURCE DIRECTORY

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Integrated Device Technology (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 74HC244	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
♦ 74HC244	Motorola	MC74HC244A	
	National	MM74HC244	
	NJR	NJU74HC244	
	SGS-Thomson		
		M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
♦ 74HC245	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
♦ 74HC245	National	MM74HC245	
		MM74HC245A	
♦ 74HC245	NJR	NJU74HC245	
	SGS-Thomson		
		M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
♦ 74HC273	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
♦ 74HC273	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson		
		M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
♦ 74HC533	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
♦ 74HC533	Motorola	MC74HC533A	
	National	MM74HC533	
	NJR	NJU74HC533	
	SGS-Thomson		
		M74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
♦ 74HC534	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
♦ 74HC534	Motorola	MC74HC534A	
	National	MM74HC534	
	NJR	NJU74HC534	
	SGS-Thomson		
		M74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
♦ 74HC640	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
♦ 74HC640	Motorola	MC74HC640A	
	National	MM74HC640	
	NJR	NJU74HC640	
	SGS-Thomson		
		M74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	

Integrated Silicon Solution

IS61C64	Toshiba	TC5588	
IS61C66	Toshiba	TC55416	
IS62C1024	Toshiba	TC551001	
IS62C256	Toshiba	TC55257	
61C88	Toshiba	TC55417	

Intel

Manufacturer Device	Replacement Source	Device	IC Master Page
A80186	AMD	A80186	
	Micro-C	80186	
A80188	Micro-C	80188	
A80286	Micro-C	80286	
A80386	Micro-C	80376	
		80386	
A80386DX	Micro-C	80386DX	
A80387	Micro-C	80387	
A80486	Micro-C	80486	
A80860	Micro-C	80860	
A80960	Micro-C	80960	
A8097	Micro-C	8097	
A8206	Micro-C	8206	
A8207	Micro-C	8207	
A82258	Micro-C	82258	
A82380	Micro-C	82380	
A82385	Micro-C	82385	
A82596	Micro-C	82596	
A82786	Micro-C	82786	
A82955	Micro-C	82955	
A82965	Micro-C	82965	
BD286526	Micro-C	286526	
B1702	Micro-C	8702	
B2708	Micro-C	2708	
B2716	Micro-C	2716	
B2758	Micro-C	2758	
CG80188	Micro-C	80188	
C27C202	Micro-C	27C1040	
C80186	Micro-C	80186	
C80186-3	AMD	R80186	
C80286-8	AMD	R80286-8	
C80287	Micro-C	80287	
C8087	Micro-C	8087	
C8208	Micro-C	8208	
C8231	AMD	AM9511	
C82586	Micro-C	82586	
C8273	Micro-C	8273	
C8751	Micro-C	8751	
C8755	Micro-C	8755	
D2114	AMD	AM9114	
	Krueger	**2114-200**	**(3548)**
D2114U00	**Krueger**	**2114-150**	**(3548)**
		2114-450	**(3548)**
D2118	Krueger	4116SV	
D2147	AMD	AM2147	
	Krueger	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
	Micro-C	2147	
D2148	AMD	AM2148	
	Krueger	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
D2149	AMD	AM2149	
D2186	Micro-C	2186	
D2187	Micro-C	2187	
D27C010	AMD	AM27C010	
	Krueger	27C010	
	Micro-C	27C1032	
D27C020	AMD	AM27C020	
D27C100	Micro-C	27C1032	
D27C210	Krueger	27C210	
D27C220	Micro-C	27C1040	
D27C240-150V10			
	Signetics	27C240-15	
D27C240-200V10			
	Signetics	27C240-20	
D27C256	Micro-C	27C256	
D27C2566	Krueger	27C256-150	
		27C256-200	
		27C256-250	
D27C512	AMD	AM27C512	
	Krueger	27C512-150	
		27C512-200	
		27C512-250	
D27C64	AMD	AM27C64	
D27F64	Micro-C	27F64	
D27010	Micro-C	271032	
D27011	Micro-C	271028	
D2708	Micro-C	2708	
D27128	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
	Micro-C	27128	
D2716	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
	Micro-C	2716	
D27210	Micro-C	271040	

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Manufacturer Device	Replacement Source	Device	IC Master Page
D27210-150V10			
	Signetics	27C210-15	
D27210-200V10			
	Signetics	27C210-FA	
		27C210-20	
D27256	**Krueger**	**27256-200**	**(3548)**
		27256-250	**(3548)**
		27256-300	**(3548)**
	Micro-C	27256	
D2732	**Krueger**	**2732-250**	**(3548)**
		2732-300	**(3548)**
		2732-350	**(3548)**
		2732-450	**(3548)**
	Micro-C	2732	
D2732A	Krueger	2732A-250	
		2732A-300	
		2732A-350	
		2732A-450	
D27512	**Krueger**	**27512-200**	**(3548)**
		27512-250	**(3548)**
	Micro-C	27512	
D27513	Micro-C	27513	
D2763	Micro-C	2763	
D2764	Krueger	27C64-200	
		27C64-250	
		27C64-300	
		2764-200	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
	Micro-C	2764	
D2764A	Krueger	2764A-200	
		2764A-250	
		2764A-300	
		2764A-450	
D28F010	SEEQ	48F010	
D28F256	Micro-C	28F256	
D28F512	SEEQ	48F512	
D2816	Micro-C	2816	
D3245	National	DS3245	
D5AC324	Micro-C	5AC324	
D7210	Micro-C	7210	
D80C287	Micro-C	80C287	
D80287	Micro-C	80287	
D8039	Micro-C	8039	
D8080	Micro-C	8080	
D8085	Micro-C	8085	
D8086	**Krueger**	**8086**	**(3548)**
	Micro-C	8086	
D8087	Micro-C	8087	
D8088	Krueger	8088	
	Micro-C	8088	
D8155	Micro-C	8155	
D8156	Micro-C	8156	
D82C284	Micro-C	82C284	
D82C501	Micro-C	82C501	
D8202	Micro-C	8202	
D8203	Micro-C	8203	
D8212	AMD	D8212	
	Micro-C	8212	
	National	DP8212	
D8216	Motorola	MC8T26	
	National	DP8216	
D8224	National	DP8224	
D8226	Motorola	MC8T28	
	National	DP8226	
D8228	Micro-C	8228	
	National	DP8228	
D82288	Micro-C	82288	
D8237	Micro-C	8237	
D8238	National	DP8238	
D8243	Micro-C	8243	
D8251	Micro-C	8251	
D8253	Micro-C	8253	
D82530	Micro-C	82530	
D8255	Micro-C	8255	
D8257	Micro-C	8257	
D82588	Micro-C	82588	
D8259	Micro-C	8259	
D8274	Micro-C	8274	
D8275	Micro-C	8275	
D8284	Micro-C	8284	
D8286	Intel	DP8304	
D8287	National	DP8303	
D8288	Micro-C	8288	
D8642	Micro-C	8642	
D87A48	Micro-C	87A48	
D87C75	Micro-C	87C75	
D8742	Micro-C	8742	
D8748	Micro-C	8748	
D8749	Micro-C	8749	
D8751	AMD	D8751	
	Micro-C	8751	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
D8752	Micro-C	8752	
D8755	Micro-C	8755	
D8763	Micro-C	8763	
IMS2600	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
KD82385	Micro-C	82385	
KU82Q309	Micro-C	82Q309	
KU82303	Micro-C	82303	
KU82304	Micro-C	82304	
KU82306	Micro-C	82306	
KU82307	Micro-C	82307	
KU82308	Micro-C	82308	
KU82309	Micro-C	82309	
LD8755	Micro-C	8755	
MBL8088	Micro-C	8088	
MC8087	Micro-C	8087	
MD27C256	SEEQ	27C256	
MD27C256-20B			
	TI	SMJ27C256-20JM	
MD27C256-25B			
	TI	SMJ27C256-25JM	
MD27C64	Microchip	27C64	
MD27128	Microchip	27C128	
	SEEQ	27128	
MD27128A-15B			
	TI	SMJ27C128-15JM	
MD27128A-20B			
	TI	SMJ27C128-20JM	
MD27128A-30B			
	TI	SMJ27C128-30JM	
MD27256	Microchip	27C256	
MD27256-17B			
	TI	SMJ27C256-17JM	
MD27512	Microchip	27C512	
MD27512-20B			
	TI	SMJ27C512-20JM	
MD27512-25B			
	TI	SMJ27C512-25JM	
MD2764	Microchip	27C64	
	SEEQ	2764	
MD2816	Microchip	28C16	
MD2817	Microchip	28C17	
MD80C287	Micro-C	80C287	
MD80287	Micro-C	80287	
♦ MD8080	Rochester	8080	
MD8086	AMD	8086	
MD8088	AMD	8088	
MD8212	AMD	MD8212	
MD8251	AMD	8251	
MD8253	AMD	8253	
MD8255	AMD	8255	
MD8748	Micro-C	8748	
MG80387	Micro-C	80387	
MT5C1001	NEC	μPD431001	
MT5C1005	NEC	μPD431004	
M2147	Cypress	CY7C169	
M2148	Cypress	CY2148	
M2149	Cypress	CY2149	
M5M27C202	Micro-C	27C1040	
♦ M8080	Lansdale	IL8080	
♦ M8212	**Lansdale**	**IL8212**	**(3549)**
♦ M8214	**Lansdale**	**IL8214**	**(3549)**
♦ M8216	**Lansdale**	**IL8216**	**(3549)**
	Motorola	MC8T26	
♦ M8224	**Lansdale**	**IL8224**	**(3549)**
♦ M8226	**Lansdale**	**IL8226**	**(3549)**
	Motorola	MC8T28	
♦ M8228	**Lansdale**	**IL8228**	**(3549)**
♦ M8282	**Lansdale**	**IL8282**	**(3549)**
♦ M8283	**Lansdale**	**IL8283**	**(3549)**
♦ M8286	**Lansdale**	**IL8286**	**(3549)**
♦ M8287	**Lansdale**	**IL8287**	**(3549)**
♦ M8289	**Lansdale**	**IL8289**	**(3549)**
NB82C288	Micro-C	82C288	
NG80386	Micro-C	80376	
		80386SX	
NG82358	Micro-C	82358	
NG82370	Micro-C	82370	
N27C64-15	Signetics	27C64-15N	
N28F256	Micro-C	28F256	
N60R006	Micro-C	60R006	
N60006	Micro-C	60006	
N80C186	Micro-C	80C186	
N80C188	Micro-C	80C188	
N80C287	Micro-C	80C287	
N80C86	Micro-C	80C86	
N80C88	Micro-C	80C88	
N80186	AMD	N80186	
N80186-10	AMD	N80186-10	
N80188	AMD	N80188	
N80188-10	AMD	N80188-10	
N80286	Micro-C	80286	

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Intel			**(Cont'd)**
N80286-10	AMD	N80L286-10	
N80286-12	AMD	N80L286-12	
N80286-8	AMD	N80L286-8	
N8031	Micro-C	8031	
N8032	Micro-C	8032	
N80387	Micro-C	80387	
N8042	Micro-C	8042	
N8051	Micro-C	8051	
N8096	Micro-C	8096	
N82C284	Micro-C	82C284	
N82C54	AMD	N82C54	
	Newbridge	**CA82C54**	**(3593)**
N82C55	Micro-C	82C55	
N82C55A	**Newbridge**	**CA82C55A**	**(3593)**
N82530	Micro-C	82530	
N82586	Micro-C	82586	
N87C257	Micro-C	87C257	
P21010	Krueger	511000-100	
		511000-70	
		511000-80	
	Micro-C	511000	
	Motorola	MCM511000	
P21014	Motorola	MCM514256	
P2114	AMD	AM91L14	
		AM9114	
	Micro-C	S1KX4	
P21256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
P2141	AMD	AM21L41	
P21464	Krueger	41464-100	
		41464-120	
		41464-150	
P2148	Micro-C	S1KX4	
P2164	Micro-C	4164	
P27C64	AMD	AM27C64	
P27C64-20	Signetics	27C64-20A	
P27128	Catalyst		
	Semi	CAT27128	
P27257	Catalyst		
	Semi	CAT27256	
P2764	Catalyst		
	Semi	CAT2764	
P5116	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
P51256	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
P5164L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
P80C31	Micro-C	80C31	
	Siemens	SAB80C31	
P80C32BH	Siemens	SAB80C32	
P80C51	Siemens	SAB80C51	
P80C52BH	Siemens	SAB80C52	
P80C86	Micro-C	80C86	
P80C88	Micro-C	80C88	
P80287-10	AMD	P80C287-10	
P80287-6	AMD	P80C287-10	
P80287-8	AMD	P80C287-10	
P8031	Krueger	8031	
	Micro-C	8031	
	Siemens	SAB8031	
P8032	Siemens	SAB8032	
P8035	Krueger	8035	
	Micro-C	8035	
P8039	Krueger	8039	
	Micro-C	8039	
P8040	Micro-C	8040	
P8041	Micro-C	8041	
P8042	Micro-C	8042	
P8048	Micro-C	8048	
P8051	Micro-C	8051	
	Siemens	SAB8051	
P8052	Siemens	SAB8052	
P8052AH	Siemens	8052B	
P8080	Micro-C	8080	
P8080A	**Krueger**	**8080A**	**(3548)**
P8085	Micro-C	8085	
	Siemens	SAB8085	
P8085A	**Krueger**	**8085A**	**(3548)**
	Newbridge	**CA80C85B**	**(3593)**
P8086	AMD	P8086	
	Krueger	**8086**	**(3548)**
	Micro-C	8086	
	Siemens	SAB8086	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
P8088	AMD	P8088	
	Krueger	8088	
	Micro-C	8088	
	Siemens	SAB8088	
P8097	Micro-C	8097	
P8155	Micro-C	8155	
	Siemens	SAB8155	
P8156	Micro-C	8156	
P82C08	Micro-C	82C08	
P82C37	Micro-C	82C37	
P82C54	AMD	P82C54	
	Micro-C	82C54	
	Newbridge	**CA82C54**	**(3593)**
P82C55	Micro-C	82C55	
P82C59	Micro-C	82C59	
P82C59A	**Newbridge**	**CA82C59A**	**(3593)**
P82C84A	**Newbridge**	**CA82C84A**	**(3593)**
P82C88	**Newbridge**	**CA82C88**	**(3593)**
P8212	AMD	P8212	
	National	DP8212	
P8216	National	DP8216	
P82188	Micro-C	82188	
P8224	National	DP8224	
P8226	National	DP8226	
P8228	Micro-C	8228	
P82284	Intel	SAB82284	
	Siemens	SAB82284	
	UMC	UM82C84	
P82288	Siemens	SAB82288	
P82289	Siemens	SAB82289	
P8237	AMD	AM9517	
		P8237	
	Krueger	8237	
	Siemens	SAB8237	
	UMC	UM8237	
P8237A	**Newbridge**	**CA82C37A**	**(3593)**
P8238	Micro-C	8238	
	National	DP8238	
P8243	Micro-C	8243	
P8251	AMD	P8251	
	Krueger	8251	
	Micro-C	8251	
P8253	AMD	P8253	
	Krueger	8253	
	Micro-C	8253	
	UMC	UM8253	
P82530	Micro-C	82530	
P8254	Krueger	8254	
	Micro-C	8254	
	Newbridge	**CA82C54**	**(3593)**
P8255	AMD	P8255	
	Krueger	8255	
P8256	Siemens	SAB8256	
P8257	Krueger	8257	
	Micro-C	8257	
P82586	Micro-C	82586	
P8259	Micro-C	8259	
	Siemens	SAB8259	
	UMC	UM8259	
P8259A	Krueger	8259	
	Newbridge	**CA82C59A**	**(3593)**
P8272	Micro-C	8272	
	UMC	UM8272	
P8273	Micro-C	8273	
P82731	Siemens	SAB82731	
P8274	Micro-C	8274	
	Siemens	SAB7201	
P8275	Micro-C	8275	
	Siemens	SAB8275	
P8276	Micro-C	8276	
	Siemens	SAB8276	
P8282	Siemens	SAB8282	
P8283	Siemens	SAB8283	
P8284	Micro-C	8284	
	Siemens	SAB8284	
P8284A	**Newbridge**	**CA82C84A**	**(3593)**
P8286	AMD	DP8304	
	Intel	DP8304	
	Siemens	SAB8286	
P8287	AMD	AM8303	
	National	DP8303	
	Siemens	SAB8287	
P8288	Siemens	SAB8288	
P8289	Siemens	SAB8289	
P8291	Micro-C	8291	
P83C51FB	Siemens	SAB80513	
P8344	Micro-C	8344	
P8355	Micro-C	8355	
P8742	Micro-C	8742	
QD2816	Micro-C	2816	
QD8086	Micro-C	8086	
QD8155	Micro-C	8155	
QD8255	Micro-C	8255	

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Manufacturer Device	Replacement Source	Device	IC Master Page
QD8259	Micro-C	8259	
QD8755	Micro-C	8755	
QP8039	Micro-C	8039	
R80186	AMD	R80186	
	Siemens	SAB80186	
R80186-10	AMD	R80186-10	
R80188	AMD	R80188	
	Siemens	SAB80188	
R80188-10	AMD	R80188-10	
R80286	Siemens	SAB80286	
R80286-10	AMD	R80286-10	
R80286-12	AMD	R80286-12	
R80286-8	AMD	R80286-8	
R8207	Micro-C	8207	
R82258	Siemens	SAB82258	
SM210910	Motorola	MCM8L1000	
SXE23	Micro-C	80860	
SXE25	Micro-C	80860	
SX137	Micro-C	80376	
SX156	Micro-C	80860	
SX221	Micro-C	80860	
SX301	Micro-C	80860	
SX303	Micro-C	80860	
SX329	Micro-C	80486DX	
TD27128	Micro-C	27128	
TD8155	Micro-C	8155	
TN87C257	Micro-C	87C257	
TP8039	Micro-C	8039	
T21040	Motorola	MCM514100	
T27C256-2	Signetics	27C256I-20	
1M29C510	**Waferscale**	**WS59510**	**(3753)**
1223	Cypress	CY7C148	
1400	Cypress	CY7C167	
1403	Cypress	CY7C167	
1420	Cypress	CY7C168	
1421	Cypress	CY7C169	
1423	Cypress	CY7C168	
1433	Cypress	CY7C128	
1600	Cypress	CY7C187	
1601	Cypress	CY7C187	
1620	Cypress	CY7C164	
1624	Cypress	CY7C166	
1625	Cypress	CY7C164	
1630	Cypress	CY7C186	
1800	Cypress	CY7C194	
		CY7C197	
1830	Cypress	CY7C198	
2117	Krueger	4116-120	
		4116-150	
		4116-200	
2141	AMD	AM21L41	
2147	Cypress	CY2147	
		CY7C147	
2148	AMD	AM2148	
	Cypress	CY21L48	
		CY2148	
2149	Cypress	CY21L49	
		CY2149	
	Krueger	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**
2164	Siemens	HYB4164	
2316	Harris	H1835	
	Hughes	H23C16	
27C010	NEC	μPD27C1001	
	Toshiba	TC541000	
27C020	NEC	μPD27C2001	
27C128	Waferscale	WS27C128	
27C210	NEC	μPD27C1024	
	Toshiba	TC57102	
27C240	Toshiba	TC574200	
27C256	AMD	AM27C256	
	NEC	μPD27C256	
	OKI	MSM27C256	
	Toshiba	TC54256	
		TC57256	
	Waferscale	WS27C256	
27C256-1	Signetics	27C256-17	
27C256-120V05			
	Signetics	27C256-12	
27C256-150	Signetics	27C256-15	
27C256-200	Signetics	27C256-20	
27C512	Signetics	27C512-15	
		27C512-17	
		27C512-20	
27C64	Signetics	27C64-15	
27C64-20	Signetics	27C64A-20	
27F256	Toshiba	TC58257	
27010	Catalyst		
	Semi	CAT27010	
	OKI	MSM271000	
	Waferscale	WS27C010	

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Manufacturer Device	Replacement Source	Device	IC Master Page
2704	Hughes	H1831	
		H1832	
27128	AMD	AM27128	
	OKI	MSM27128	
2716	Harris	H1835	
	Hughes	H23C16	
	Micro-C	2716	
27210	Catalyst		
	Semi	CAT27C210	
	OKI	MSM27C1024	
		MSM271024	
	Waferscale	WS27C210	
27256	Cypress	CY7C274	
	OKI	MSM27256	
27512	Cypress	CY7C286	
	OKI	MSM27512	
	Waferscale	WS27C512	
2764	Cypress	CY7C266	
	OKI	MSM2764	
28F010	Toshiba	TC58F1000	
28F256	Toshiba	TC58257	
2816	Catalyst		
	Semi	CAT28C16	
	SEEQ	52B13	
2817	Catalyst		
	Semi	CAT28C17	
	SEEQ	2817	
2864	Catalyst		
	Semi	CAT28C64	
	NEC	μPD28C64	
	OKI	MSM28C64	
	SEEQ	52B33	
2910	Samsung	KT5116	
		KT8520	
2911	Samsung	KT8521	
2912	Samsung	KT3040	
2913	Samsung	KT8564	
2916	Samsung	KT8554	
2917	Samsung	KT8557	
34009	Micro-C	34009	
♦ 3601	Lansdale	HL7610	
♦ 3602	Lansdale	HL7620	
♦ 3604	Lansdale	HL7640	
♦ 3605	Lansdale	HL7642	
♦ 3621	Lansdale	HL7611	
♦ 3622	Lansdale	HL7621	
♦ 3624	Lansdale	HL7641	
		HL7643	
♦ 3628	Lansdale	HL7681	
♦ 3632	Lansdale	HL76321	
♦ 3636	Lansdale	HL76161	
5C031	ICT	PEEL18CV8	
	Lattice	GAL16V8	
		GAL18V10	
5C032	ICT	PEEL18CV8	
	Lattice	GAL16V8	
		GAL18V10	
51C66	Cypress	CY7C167	
51C67	Cypress	CY7C167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
51C68	Cypress	CY7C168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
51C98	Toshiba	TC55416	
51256	Toshiba	TC55328	
51256SL	Toshiba	TC55257	
51258	Toshiba	TC55464	
5164	Toshiba	TC5588	
5164SL	Toshiba	TC5563	
		TC5565	
80C196	Hitachi	HD647180	
80C286	Harris	80C286	
	Krueger	80C286	
80C31BH	Signetics	SC80C31B	
80C32FA	Signetics	P80C32	
80C48	Hitachi	HD6305	
80C49	Hitachi	HD6305	
80C51	Hitachi	HD6301	
		HD647180	
80C51BH	Signetics	SC80C51B	
80C86	Harris	80C86	
80C88	Harris	80C88	
80186	**Krueger**	**80186**	**(3548)**
80286	Harris	80C286	
	Krueger	**80286**	**(3548)**
8031AH	Signetics	SCN8031H	
8032AH	Signetics	SCN8032H	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Intel			**(Cont'd)**
8039L	Signetics	SCN8039H	
8040AHL	Signetics	SCN8040H	
8049AH	Signetics	SCN8049H	
8050AH	Signetics	SCN8050H	
8051AH	Signetics	SCN8051H	
8052AH	Signetics	SCN8052H	
8096	Hitachi	HD647180	
82C224	Lattice	GAL22V10	
82C37	Samsung	KS82C37	
82C54	Harris	82C54	
	Samsung	KS82C54	
82C55	Harris	82C55	
	Samsung	KS82C55	
82C57	Unitrode	UC2847	
82C59	Harris	82C59	
	Samsung	KS82C59	
82C84	Harris	82C84	
	Samsung	KS82C84	
82C88	Harris	82C88	
	Samsung	KS82C88	
82005	SEEQ	82005	
82025	SEEQ	82025	
8212	Hughes	H1852	
8216	Motorola	MC8T26	
8226	Motorola	MC8T28	
82288	UMC	UM82C288	
82501	SMC	COM82C501	
82502	SMC	COM82C502	
8251	SMC	COM8251	
8255	Samsung	KS82C55	
82586	Krueger	82586	
	SMC	COM82586	
8272	Krueger	765	
82720	SMC	CRT7220	
8275	SMC	CRT5037	
8288	Samsung	KS82C88	
8291	SMC	COM7210	
8292	SMC	COM7210	
83C51FA	Signetics	P80C52	
85C220	Lattice	GAL16V8	
		GAL18V10	
85C224	Lattice	GAL20V8	
87C51	Signetics	SC87C51	
87C51FA	Signetics	P87C52	
8708	Hughes	H1833	
		H1834	
8741	Micro-C	8741	
8742	Micro-C	8742	
International CMOS Technology			
PEEL153	**Gould AMI**	**PEEL153**	**(3499)**
	Lattice	GAL16V8	
		GAL18V10	
PEEL173	Gould AMI	PEEL173	
PEEL18CV8	**Gould AMI**	**PEEL18CV8**	**(3499)**
	Lattice	GAL16V8	
		GAL18V10	
PEEL20CG10	**Gould AMI**	**PEEL20CG10**	**(3499)**
	Lattice	GAL20V8	
		GAL22V10	
PEEL22CV10	**Gould AMI**	**PEEL22CV10**	**(3499)**
	Lattice	GAL20V8	
		GAL22V10	
	Samsung	CPL22V10	
PEEL22CV10Z			
	Gould AMI	**PEEL22CV10Z**	**(3499)**
PEEL253	**Gould AMI**	**PEEL153**	**(3499)**
		PEEL253	**(3499)**
	Lattice	GAL16V8	
		GAL18V10	
PEEL273	Gould AMI	PEEL173	
		PEEL273	
27CX321	Waferscale	WS57C43	
27CX322	Micro-C	27CX322	
	Waferscale	WS57C43	
27CX641	NEC	μPD27HC65	
	Waferscale	WS57C49	
27CX642	NEC	μPD27HC65	
	Waferscale	WS57C49	
93CX46	EXEL	XL93C46	
		XL93LC46	
93CX56	EXEL	XL93C56	
		XL93LC56	
93CX66	EXEL	XL93LC66	
93C46	**Catalyst Semi**	**CAT93C46**	**(3424)**
	EXEL	XL93C46	
		XL93LC46	
	OKI	MSM16811	
93C56	EXEL	XL93C56	
		XL93LC56	
93C66	EXEL	XL93C66	
		XL93LC66	
Interpoint			
MFW2805	Adv Analog	AFW2805	
MFW2812	Adv Analog	AFW2812	
MFW2815	Adv Analog	AFW2815	
MHF2805	Adv Analog	AHF2805	
MHF2812	Adv Analog	AHF2812	
MHF2815	Adv Analog	AHF2815	
MLP2805	Adv Analog	ALP2805	
MLP2812	Adv Analog	ALP2812	
MLP2815	Adv Analog	ALP2815	
MSF461	Adv Analog	ASF461	
MSR2805	Adv Analog	ASR2805	
MSR2812	Adv Analog	ASR2812	
MSR2815	Adv Analog	ASR2815	
IXYS			
IXLD1427	Micrel	MIC1427	
IXLD1428	Micrel	MIC1428	
IXLD426	**Micrel**	**MIC426**	**(3574)**
IXLD427	Micrel	MIC427	
IXLD428	Micrel	MIC428	
IXLD4420	Micrel	MIC4420	
IXLD4424	Micrel	MIC4424	
IXLD4425	Micrel	MIC4425	
IXLD4426	Micrel	MIC4426	
IXLD4427	Micrel	MIC4427	
IXLD4428	Micrel	MIC4428	
IXLD4429	Micrel	MIC4429	
Krueger Company			
21C14-200	Krueger	21C14-150	
		21C14-200	
		21C14-450	
21C14-450	Krueger	21C14-150	
		21C14-200	
		21C14-450	
2114-200	**Krueger**	**2114-150**	**(3548)**
		2114-200	**(3548)**
		2114-450	**(3548)**
2114-450	**Krueger**	**2114-150**	**(3548)**
		2114-200	**(3548)**
		2114-450	**(3548)**
2128-100	**Krueger**	**2128-120**	**(3548)**
2128-120	**Krueger**	**2128-100**	**(3548)**
2147-45	**Krueger**	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
2147-55	**Krueger**	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
2147-70	**Krueger**	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
2148-45	**Krueger**	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
2148-55	**Krueger**	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
2148-70	**Krueger**	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
2149-35	**Krueger**	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**
2149-45	**Krueger**	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**
2149-55	**Krueger**	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**

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Manufacturer Device	Replacement Source	Device	IC Master Page
2149-70	**Krueger**	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**
2168-25	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
2168-35	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
2168-45	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
2168-55	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
2532-350	**Krueger**	**2532-450**	**(3548)**
2532-450	**Krueger**	**2532-350**	**(3548)**
27C128-250	Krueger	27C128-200	
		27C128-250	
27C256-250	Krueger	27C256-150	
		27C256-200	
		27C256-250	
27C512-150	Krueger	27C512-150	
		27C512-200	
		27C512-250	
27C512-250	Krueger	27C512-150	
		27C512-200	
		27C512-250	
27C64-250	Krueger	27C64-200	
		27C64-250	
		27C64-300	
27128-250	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
27128-300	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
2716-450	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
2716T-350	Krueger	2716T-450	
2716T-450	Krueger	2716T-350	
27256-250	**Krueger**	**27256-200**	**(3548)**
		27256-250	**(3548)**
		27256-300	**(3548)**
27256-300	**Krueger**	**27256-200**	**(3548)**
		27256-250	**(3548)**
		27256-300	**(3548)**
2732-300	**Krueger**	**2732-250**	**(3548)**
		2732-300	**(3548)**
		2732-350	**(3548)**
		2732-450	**(3548)**
		2732A-250	
		2732A-300	
		2732A-350	
		2732A-450	
2732-350	**Krueger**	**2732-250**	**(3548)**
		2732-300	**(3548)**
		2732-350	**(3548)**
		2732-450	**(3548)**
2732-450	**Krueger**	**2732-250**	**(3548)**
		2732-300	**(3548)**
		2732-350	**(3548)**
		2732-450	**(3548)**
2732A-300	Krueger	2732A-250	
		2732A-300	
		2732A-350	
		2732A-450	
2732A-350	Krueger	2732A-250	
		2732A-300	
		2732A-350	
		2732A-450	
2732A-450	Krueger	2732A-250	
		2732A-300	
		2732A-350	
		2732A-450	
27512-250	**Krueger**	**27512-200**	**(3548)**
		27512-250	**(3548)**
2764-250	**Krueger**	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
2764-300	**Krueger**	**2764-200**	**(3548)**
		2764-250	**(3548)**

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Manufacturer Device	Replacement Source	Device	IC Master Page
2764-300	**Krueger**		**(Cont'd)**
		2764-300	**(3548)**
		2764-450	**(3548)**
2764-450	**Krueger**	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
4116-150	Krueger	4116-120	
		4116-150	
		4116-200	
4116-200	Krueger	4116-120	
		4116-150	
		4116-200	
41256-100	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
41256-120	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
41256-150	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
41464-120	Krueger	41464-100	
		41464-120	
		41464-150	
41464-150	Krueger	41464-100	
		41464-120	
		41464-150	
4164-120	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
4164-150	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
511000-100	Krueger	511000-100	
		511000-70	
		511000-80	
511000-80	Krueger	511000-100	
		511000-70	
		511000-80	
514256-100	Krueger	514256-100	
		514256-70	
		514256-80	
514256-80	Krueger	514256-100	
		514256-70	
		514256-80	
6116-150	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
6116-200	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
62256-085	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
62256-100	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
62256-120	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
6264-120	**Krueger**	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
6264-150	**Krueger**	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
6264-35	Krueger	6264-025	
		6264-035	
		6264-045	
6264-45	Krueger	6264-025	
		6264-035	
		6264-045	
6264LP-120	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
6264LP-150	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
6287-45	Krueger	6287-35	
		6287-45	
		6287-55	
6287-55	Krueger	6287-35	
		6287-45	
		6287-55	

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Manufacturer Device	Replacement Source	Device	IC Master Page
Krueger Company (Cont'd)			
6288-35	**Krueger**	**6288-25**	**(3548)**
		6288-35	
		6288-45	
6288-45	**Krueger**	**6288-25**	**(3548)**
		6288-35	
		6288-45	
6289-35	Krueger	6289-25	
		6289-35	
		6289-45	
6289-45	Krueger	6289-25	
		6289-35	
		6289-45	
65256-100	Krueger	65256-120	
65256-120	Krueger	65256-100	
Lansdale Semiconductor			
HL7681	Gould AMI	S25089	
♦ MC3028	**Lansdale**	**ML3028**	**(3552)**
♦ MC54196	Lansdale	ML54196	
ML4350	Micrel	MIC4350	
Lattice			
GAL16V8	AMD	PALCE16V8	
	Cypress	CYPALC16L8	
		CYPALC16R4	
		CYPALC16R6	
		CYPALC16R8	
	ICT	PEEL18CV8	
	Micro-C	16V8	
	Samsung	CPL16V8	
GAL18V10	**Gould AMI**	**PEEL153**	**(3499)**
GAL20RA10	Cypress	CYPLDC20RA10	
GAL20V8	AMD	PALCE20V8	
	Cypress	CYPLDC20G10	
	ICT	PEEL20CG10	
	Micro-C	20V8	
	Samsung	CPL20V8	
GAL22V10	AMD	PALCE22V10	
	ATMEL	AT22V10	
	Cypress	CYPAL22V10	
	Gould AMI	**PEEL22CV10**	**(3499)**
	ICT	PEEL22CV10	
GAL26CV12	Cypress	CYPAL22V10	
LM108	AD	PM1008	
	Raytheon	LM108	
LM108AH/883	TI	LM108ALB	
LM108AJ8/883	TI	LM108AJGB	
LM108H/883	TI	LM108LB	
LM108J8/883	TI	LM108JGB	
LM118J8/883	TI	LM118JGB	
LM118LH/883	TI	LM118LB	
LM307	AD	OP02	
LM308	AD	PM308	
LTC1099	Crystal	CS7280	
LT1001	Raytheon	LT1001	
LT1007AMH/883	TI	LT1007AMLB	
LT1007AMJ8/883	TI	LT1007AMJGB	
LT1007MH/883	TI	LT1007MLB	
LT1007MJ8/883	TI	LT1007MJGB	
LT1008MH/883	TI	LT1008MLB	
LT1009MH/883	TI	LT1009MLDB	
LT1009MJ8/883	TI	LT1009MJGB	
LT1013MH/883	TI	LT1013MLB	
LT1013MJ8/883	TI	LT1013MJGB	
LT1014MJ/883	TI	LT1014MJB	
LT1016MH/883	TI	LT1016MLB	
LT1028MH/883	TI	LT1028MLB	
LT1037MH/883	TI	LT1037MLB	
L1010	Cypress	CY7C510	
ML107	AD	OP02	
MT85C1664	Cypress	CYM1620	
OP07	Raytheon	OP07	
OP227	Raytheon	RC4227	

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Manufacturer Device	Replacement Source	Device	IC Master Page
OP237	**AD**	**SSM2139**	**(3337, 3343, 3354)**
OP27	AD	OP27	
	Raytheon	OP27	
OP27AH/883	TI	OP27ALB	
OP27AJ8/883	TI	OP27AJGB	
OP27CH/883	TI	OP27CLB	
OP27CJ8/883	TI	OP27CJGB	
OP37	AD	OP37	
	Raytheon	OP37	
OP37AH/883	TI	OP37ALB	
OP37AJ8/883	TI	OP37AJGB	
OP37CH/883	TI	OP37CLB	
OP37CJ8/883	TI	OP37CJGB	
OP400	AD	OP400	
SR16K4	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
SR256K4	NEC	μPD43254	
	Toshiba	TC55464	
SR256K8	NEC	μPD43256	
SR64E4	Toshiba	TC55417	
SR64K	Krueger	6287-35	
		6287-45	
		6287-55	
SR64K1	NEC	μPD4361	
	Toshiba	TC5561	
		TC5562	
SR64K4	**Krueger**	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	NEC	μPD4362	
	Toshiba	TC55416	
SR64K8	Toshiba	TC5565	
		TC5588	
ST16K4	Cypress	CY7C168	
ST16K8	Cypress	CY7C128	
ST64E4	Cypress	CY7C155	
		CY7C166	
ST64K1	Cypress	CY7C187	
ST64K4	Cypress	CY7C164	
ST64K8	Cypress	CY7C186	
		CY7C264	
16CV8	**Gould AMI**	**PEEL18CV8**	**(3499)**
20V8	Gould AMI	PEEL173	
Level One			
LXP2180	Crystal	CS2180	
LXT300	Crystal	CS61574	
LXT301	Crystal	CS6158	
LXT304	Crystal	CS61574	
LXT305	Crystal	CS61534	
		CS61535	
Linear Technology Corp.			
AD581	National	LH0070	
		LM581	
ICL8069	GEC Plessey	REF12	
LF155	Burr-Brown	OPA156	
LF156	Burr-Brown	OPA156	
LF355	Motorola	LF355	
LF356	Motorola	LF356	
LH2108	Burr-Brown	OPA2111	
LM10	**Gennum**	**GC810**	**(3495)**
LM1009	National	LM136	
LM101	Burr-Brown	3510	
	Motorola	LM101	
	SiliconG	SG101	
LM107	Motorola	MC1741	
	SiliconG	SG107	
LM108	Burr-Brown	OPA21	
LM111	Motorola	LM111	
	SiliconG	SG111	
LM117	SiliconG	SG117	
	Unitrode	UC117	
LM118	Burr-Brown	3507	
	Motorola	MC1741	
LM123	SiliconG	SG123	
LM129	National	LM129	
LM134	National	LM134	
LM136	GEC Plessey	ZNREF025	
LM137	SiliconG	SG137	
	Unitrode	UC137	
LM150	SiliconG	SG150	
	Unitrode	UC150	
LM185	National	LM185	
LM185-1.2	GEC Plessey	ZN423	

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Manufacturer Device	Replacement Source	Device	IC Master Page
LM199	National	LM199	
LM234	National	LM234	
LM236-5	GEC Plessey	ZNREF050	
LM268-5	GEC Plessey	ZNREF050	
LM301	Motorola	LM301	
	SiliconG	SG301	
LM307	Motorola	LM307	
	SiliconG	SG307	
LM311	Motorola	LM311	
	SiliconG	SG311	
LM317	Motorola	LM317	
	SiliconG	SG317	
	TI	LM317	
	Unitrode	UC317	
LM318	Motorola	MC1741	
LM323	SiliconG	SG323	
LM329	National	LM329	
LM334	National	LM334	
LM335-2.5	GEC Plessey	REF25	
LM336-2.5	GEC Plessey	REF25	
LM337	Motorola	LM337	
	SiliconG	SG337	
	TI	LM337	
	Unitrode	UC337	
LM338	SiliconG	SG338	
LM350	SiliconG	SG350	
	Unitrode	UC350	
LM385	National	LM385	
	TI	LM385	
LM385-1.2	GEC Plessey	ZN423	
LM399	National	LM339	
LTC1044	Harris	ICL7660	
	Siliconix	SI7660	
LTC1050	Harris	ICL7650	
LTC1060	Exar	XR1010	
		XR1015	
	MicroLinear	ML2110	
	TI	TLC10	
		TLC20	
LT0070	GEC Plessey	ZNREF100	
LT0071	GEC Plessey	ZNREF100	
LT1001	AD	OP177	
		OP77	
	Burr-Brown	OPA27	
	Harris	HA5177	
	National	LM607	
	TI	OP07	
LT1002	AD	OP207	
	Burr-Brown	OPA2111	
LT1003	SemTech	LAS1905	
LT1004	Astec Semi	AS1004	
	National	LM185	
		LM385	
	TI	LT1004	
LT1004-1.2	GEC Plessey	REF12	
LT1004-2.5	GEC Plessey	REF25	
LT1006	AD	LT1006	
LT1007	AD	OP27	
	Burr-Brown	OPA27	
	TI	LT1007	
LT1008	AD	PM1008	
	Burr-Brown	OPA21	
LT1009	AD	REF03	
	Cherry Semi	CS1009	
	GEC Plessey	REF25	
		ZNREF025	
	National	LM336	
	TI	LT1009	
LT1010	Burr-Brown	OPA633	
	Elantec	ELH0002	
		EL2001	
		EL2002	
		EL2003	
		EL2008	
		EL2009	
		EL2012	
LT1011	AD	CMP01	
	TI	LT1011	
LT1012	AD	PM1012	
	Burr-Brown	OPA21	
LT1013	AD	OP200	
		OP220	
		OP221	
	Burr-Brown	OPA2111	
LT1014	Burr-Brown	OPA404	
	Harris	**HA5134**	**(3508)**
LT1016	Elantec	EL2018	
		EL2252	
	TI	LT1016	
LT1017	TI	TLC352	
		TLC3702	
		TLC392	

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Manufacturer Device	Replacement Source	Device	IC Master Page
LT1018	TI	TLC352	
		TLC3702	
		TLC392	
LT1019	AD	REF01	
		REF02	
		REF43	
	Burr-Brown	**REF10**	**(3417)**
	GEC Plessey	REF25	
	National	LM168	
		LM368	
LT1019-10	GEC Plessey	ZNREF100	
LT1019-5	GEC Plessey	REF50	
		ZNREF050	
LT1019-6	GEC Plessey	ZNREF062	
LT1019M-2.5	GEC Plessey	ZNREF025	
LT1020	National	LP2951	
LT1021	AD	REF01	
		REF02	
	Burr-Brown	**REF10**	**(3417)**
	National	LM169	
		LM369	
LT1021-10	GEC Plessey	ZNREF100	
LT1021-5	GEC Plessey	REF50	
		ZNREF050	
LT1022	AD	OP16	
	Burr-Brown	OPA606	
	Harris	HA5160	
LT1023	AD	OP01	
		OP42	
	Burr-Brown	OPA606	
LT1024	AD	OP297	
	Burr-Brown	OPA2111	
LT1028	AD	OP61	
	Burr-Brown	OPA27	
	GEC Plessey	ZN534	
LT1029	National	LM136	
		LM336	
LT1029-5	GEC Plessey	REF50	
		ZNREF050	
LT1031	GEC Plessey	ZNREF100	
	National	LH0070	
LT1034	GEC Plessey	ZN423	
LT1036	TI	LT1036	
LT1037	AD	OP37	
	Burr-Brown	OPA37	
	Harris	HA5137	
	TI	LT1037	
LT1054	Unitrode	LT1054	
		UC1054	
LT1055	AD	OP15	
	Burr-Brown	OPA606	
LT1056	AD	OP16	
	Burr-Brown	OPA606	
LT1057	AD	OP215	
	Burr-Brown	OPA2111	
LT1058	Burr-Brown	OPA404	
LT1070	Cherry Semi	CS1070	
	TI	LT1070	
LT1073	Harris	ICL644	
LT1078	AD	OP220	
		OP290	
	Elantec	EL2242	
LT1079	AD	OP490	
LT1081	Harris	ICL232	
LT117	National	LM117	
LT1178	AD	OP290	
LT1179	AD	OP490	
LT118	Elantec	EHA2510	
LT123	National	LM123	
	SiliconG	SG123	
LT137	SiliconG	SG137	
	Unitrode	UC137	
LT138	National	LM138	
	SiliconG	SG138	
LT150	National	LM150	
	SiliconG	SG150	
	Unitrode	UC150	
LT1524	Harris	CA1524	
	SiliconG	SG1524	
	Unitrode	UC1524	
LT1525	SiliconG	SG1525	
	Unitrode	UC1525	
LT1526	SiliconG	SG1526	
	Unitrode	UC1526	
LT1527	SiliconG	SG1527	
	Unitrode	UC1527	
LT1842	SiliconG	SG1842	
	Unitrode	UC1842	
LT1843	SiliconG	SG1843	
	Unitrode	UC1843	
LT2524	SiliconG	SG2524	
	Unitrode	UC2524	
LT2525	Unitrode	UC2525	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Linear Technology Corp. (Cont'd)

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
LT2526	SiliconG	SG2526	
	Unitrode	UC2526	
LT2527	Unitrode	UC2527	
LT317	National	LM317	
LT318	Elantec	EHA2515	
LT323	National	LM323	
	SiliconG	SG323	
LT337	Unitrode	UC337	
LT338	National	LM338	
	SiliconG	SG338	
LT350	National	LM350	
	SiliconG	SG350	
	Unitrode	UC350	
LT3524	Harris	CA3524	
♦	SiliconG	SG3524	
LT3525	SiliconG	SG3525	
	Unitrode	UC3525	
LT3526	SiliconG	SG3526	
LT3527	SiliconG	SG3527	
	Unitrode	UC3527	
LT685	Elantec	EL2252	
OP05	AD	OP05	
	Burr-Brown	OPA27	
OP07	AD	OP07	
	Burr-Brown	OPA27	
OP15	AD	OP15	
	Burr-Brown	OPA606	
OP16	AD	OP16	
	Burr-Brown	OPA606	
OP227	AD	OP227	
	Burr-Brown	OPA2111	
OP237	AD	OP271	
	Burr-Brown	OPA2111	
♦OP27	Burr-Brown	OPA27	
	Motorola	OP27	
OP37	Burr-Brown	OPA37	
REF01	AD	REF01	
	Burr-Brown	**REF10**	**(3417)**
	GEC Plessey	REF100	
		ZNREF100	
	Motorola	MC1404	
	National	LM168	
		LM368	
REF02	AD	REF02	
	GEC Plessey	ZNREF050	
	Motorola	MC1404	
SG1524	National	LM1524	
	SiliconG	SG1524	
	Unitrode	UC1524	
SG1525	National	LM1525	
	SiliconG	SG1525	
SG1527	National	LM1527	
	SiliconG	SG1527	
	Unitrode	UC1527	
SG2524	SiliconG	SG2524	
	Unitrode	UC2524	
SG3524	National	LM3524	
	SiliconG	SG3524	
	TI	SG3524	
SG3525	National	LM3525	
	SiliconG	SG3525	
	Unitrode	UC3525	
SG3527	National	LM3527	
	SiliconG	SG3527	
	Unitrode	UC3527	
UC1846	SiliconG	SG1846	
	Unitrode	UC1846	
UC1847	SiliconG	SG1847	
	Unitrode	UC1847	
UC3846	SiliconG	SG3846	
	TI	UC3846	
	Unitrode	UC3846	
UC3847	SiliconG	SG3847	
	TI	UC3847	
	Unitrode	UC3847	

Logic Devices

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
LD16C451	Micro-C	16C451	
LD16C452	Micro-C	16C452	
LMA1010	IDT	IDT7210	
	Micro-C	1010	
	Waferscale	**WS59510**	**(3753)**
LMA2010	IDT	IDT7210	
	Waferscale	**WS59510**	**(3753)**
LMM4016	IDT	IDT7M4016	
LMM456	IDT	IDT7MP456	
LMM624	IDT	IDT7M624	
LMM824	IDT	IDT8M824	
LMU16	AMD	AM29C516A	
	IDT	IDT7216	
LMU17	AMD	AM29C517A	
	IDT	IDT7217	
LMU216	IDT	IDT7216	
LMU217	IDT	IDT7217	
L1A4518	Micro-C	4518	
L29C520	AMD	AM29520	
	Waferscale	**WS59520**	**(3753)**
		WS59521	**(3753)**
L29C521	**Waferscale**	**WS59520**	**(3753)**
		WS59521	**(3753)**
L4C381	Micro-C	4C381	
L429C01	Waferscale	WS5901	
L53C80	Samsung	KS53C80	
L5380	Samsung	KS53C80	
L6116	IDT	IDT6116	
L7C106	AT&T	ATT7C106	
L7C107	AT&T	ATT7C107	
L7C108	AT&T	ATT7C108	
L7C109	AT&T	ATT7C109	
L7C116	AT&T	ATT7C116	
L7C157	AT&T	ATT7C157	
L7C161	AT&T	ATT7C161	
	IDT	IDT71981	
L7C162	AT&T	ATT7C162	
	IDT	IDT71982	
L7C164	AT&T	ATT7C164	
	IDT	IDT7188	
	Toshiba	TC55416	
L7C165	AT&T	ATT7C165	
	IDT	IDT7198	
L7C166	AT&T	ATT7C166	
	IDT	IDT6198	
	Toshiba	TC55B417	
		TC55417	
L7C167	AT&T	ATT7C167	
	IDT	IDT6167	
L7C168	AT&T	ATT7C168	
	IDT	IDT6168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
L7C170	AT&T	ATT7C170	
	IDT	IDT61970	
L7C171	AT&T	ATT7C171	
	IDT	IDT71681	
L7C172	AT&T	ATT7C172	
	IDT	IDT71682	
L7C173	AT&T	ATT7C173	
L7C174	AT&T	ATT7C174	
	IDT	IDT71B74	
L7C180	AT&T	ATT7C180	
	IDT	IDT6178	
L7C181	AT&T	ATT7C181	
L7C183	AT&T	ATT7C183	
	Toshiba	TC55187	
L7C184	AT&T	ATT7C184	
	Toshiba	TC55188	
L7C185	AT&T	ATT7C185	
	IDT	IDT7164	
	Krueger	6264-025	
		6264-035	
		6264-045	
	Micro-C	S8KX8	
	Toshiba	TC55B88	
		TC5588	
L7C185-70	Krueger	6264-070	
L7C186	AT&T	ATT7C186	
	IDT	IDT71B65	
L7C187	AT&T	ATT7C187	
	IDT	IDT7187	
	Toshiba	TC5561	
		TC5562	
L7C191	AT&T	ATT7C191	
	IDT	IDT71281	
L7C192	AT&T	ATT7C192	
	IDT	IDT71282	
L7C194	AT&T	ATT7C194	
	IDT	IDT71B258	
	Toshiba	TC55464	
L7C195	AT&T	ATT7C195	
	IDT	IDT61B298	
	Toshiba	TC55465	
L7C196	AT&T	ATT7C196	
L7C197	AT&T	ATT7C197	
L7C199	AT&T	ATT7C199	
	IDT	IDT71256	
	Toshiba	TC55328	

LSI Computer Systems

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
LR3000	IDT	IDT79R3000	
LR3010	IDT	IDT79R3010	
LR3020	IDT	IDT79R3020	
LS7261	National	LM621	
LS7263	National	LM621	

LSI Logic

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
L64010	**Waferscale**	**WS59510**	**(3753)**
L64012	**Waferscale**	**WS59510**	**(3753)**

Marconi Circuit Technology

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
MA5409	STC	TEL5408	
MA5413	STC	TEL5413	
MA5416	STC	TEL5415	
MA5453	STC	TEL5453	
MA5473	STC	TEL5473	
5114	Krueger	21C14-150	
		21C14-200	
		21C14-450	
6167	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	

Matra-Harris

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
HM2064	**Krueger**	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
HM36116	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
80C32	Siemens	SAB80C32	
		SAB80C52	
83C154	Siemens	SAB80513	

Maxim

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
ADC0820	Crystal	CS7280	
AD2700	AD	REF01	
AD565	Burr-Brown	DAC80	
	Harris	HI565	
AD574	Harris	HI574	
	MicroPwr	MP574	
AD580	MicroPwr	MP5010	
AD581	AD	REF01	
AD674	Harris	HI674	
AD7224	AD	PM7224	
	GEC Plessey	ZN438	
AD7226	AD	PM7226	
AD7501	Unitrode	PIC7501	
AD7503	Unitrode	PIC7503	
AD7520	AD	PM7533	
	Harris	AD7520	
	MicroPwr	MP7520	
AD7521	AD	PM7541	
	Burr-Brown	DAC7541	
	Harris	AD7521	
	MicroPwr	MP7521	
AD7522	MicroPwr	MP7522	
AD7523	AD	PM7524	
	GEC Plessey	ZN429	
	Harris	AD7523	
	MicroPwr	MP7523	
AD7524	AD	PM7524	
	GEC Plessey	ZN558	
	MicroPwr	MP7524	
AD7528	AD	PM7528	
	MicroPwr	MP7528	
AD7530	AD	PM7533	
	Harris	AD7530	
	MicroPwr	MP7530	
AD7531	AD	PM7541	
	Burr-Brown	DAC7541	
	Harris	AD7531	
	MicroPwr	MP7531	
AD7533	AD	PM7533	
	Harris	AD7533	
	MicroPwr	MP7533	
AD7537	AD	DAC8248	
AD7541	AD	PM7541	
	Burr-Brown	DAC7541	
	Harris	AD7541	
	MicroPwr	MP7541	
AD7542	MicroPwr	MP7542	
AD7543	AD	PM7543	
	MicroPwr	MP7543	
AD7545	AD	PM7545	
	Burr-Brown	**DAC7545**	**(3418)**
	Harris	AD7545	
	MicroPwr	MP7545	
AD7547	AD	DAC8222	
AD7574	AD	ADC908	
		PM7574	
	GEC Plessey	ZN448	
	MicroPwr	MP7574	
AD7581	GEC Plessey	ZN437	
AD7628	AD		
AD7820	Crystal	CS7280	
	GEC Plessey	ZN439	
	LinearTech	LTC1099	
	MicroPwr	MP0820	
AD7828	GEC Plessey	ZN437	
AM6012	Burr-Brown	DAC80	
BB3553	**Burr-Brown**	**3553**	**(3410)**
BB3554	**Burr-Brown**	**3554**	**(3411)**
DG201	AD	SW201	
	Harris	DG201	
	LinearTech	LTC201	
	Siliconix	DG201	
DG202	Harris	DG202	
	LinearTech	LTC202	
	Siliconix	DG202	
DG211	Harris	DG211	
	Siliconix	DG211	
DG212	Harris	DG212	
DG300	Harris	DG300	
	Siliconix	DG300	
DG301	Harris	DG301	
	Siliconix	DG301	
DG302	Harris	DG302	
	Siliconix	DG302	
DG303	Harris	DG303	
	Siliconix	DG303	
DG304	Harris	HI0304	
		HI304	
	Siliconix	DG304	
DG305	Harris	HI0305	
		HI305	
	Siliconix	DG305	
DG306	Harris	HI0306	
		HI306	
	Siliconix	DG306	
DG307	Harris	HI0307	
		HI307	
DG381	Harris	HI0381	
		HI381	
	Siliconix	DG381	
DG384	Harris	HI0384	
		HI384	
	Siliconix	DG405	
DG387	Harris	HI0387	
		HI387	
	Siliconix	DG387	
DG390	Harris	HI0390	
		HI390	
	Siliconix	DG403	
DG506	Harris	DG506	
	Siliconix	DG506	
DG507	Harris	DG507	
	Siliconix	DG507	
DG508	AD	MUX08	
	Harris	DG508	
	Siliconix	DG508	
DG509	AD	MUX24	
	Harris	DG509	
	Siliconix	DG509	
HI0508	Burr-Brown	HI508	
	Harris	HI0508	
		IH5108	
HI0509	Burr-Brown	HI508	
	Harris	HI0509	
		IH5208	
HI506	Harris	HI506	
HI507	Harris	HI507	
HI508	Harris	HI508	
HI509	Harris	HI509	
ICL7106	GEC Plessey	ZN451	
	Harris	ICL7106	
ICL7107	GEC Plessey	ZNA216	
	Harris	ICL7107	
ICL7109	Harris	ICL7109	
ICL7116	Harris	ICL7116	
ICL7117	Harris	ICL7117	
ICL7126	GEC Plessey	ZN451	
	Harris	ICL7126	
ICL7129	Harris	ICL7129	
ICL7135	Harris	ICL7135	
ICL7136	GEC Plessey	ZN451	
	Harris	ICL7136	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

ALT. SOURCE DIRECTORY

Maxim (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
ICL7137	Harris	ICL7137	
ICL7611	AD	OP22	
	Harris	ICL7611	
	TI	TLC271	
ICL7612	AD	OP22	
	Harris	ICL7612	
	TI	TLC271	
ICL7613	TI	TLC271	
ICL7614	AD	OP22	
ICL7616	AD	OP22	
ICL7621	Harris	ICL7621	
	TI	TLC272	
ICL7641	Harris	ICL7641	
	TI	TLC27L9	
		TLC274	
ICL7642	Harris	ICL7642	
	TI	TLC27M9	
ICL7650	AD	OP177	
	Harris	ICL7650	
	LinearTech	LTC1052	
ICL7652	AD	OP177	
	LinearTech	LTC7652	
ICL7660	Harris	ICL7660	
	LinearTech	LTC1044	
	Siliconix	SI7660	
ICL7662	Harris	ICL7662	
ICL7665	Harris	ICL7665	
ICL7667	Harris	ICL7667	
	Micrel	**MIC426**	**(3574)**
		MIC4426	
ICL8069	Harris	ICL8069	
ICM7211	Harris	ICM7211	
ICM7212	Harris	ICM7212	
ICM7217	Harris	ICM7217	
ICM7218	Harris	ICM7218	
		ICM7228	
ICM7224	Harris	ICM7224	
ICM7225	Harris	ICM7225	
ICM7233	**Micrel**	**MIC7233**	**(3575)**
ICM7240	Exar	XR2240	
ICM7242	Exar	XR2242	
	Harris	ICM7242	
ICM7555	Harris	ICM7555	
	Holt	HI7555	
ICM7556	Harris	ICM7556	
IH5040	Harris	HI5040	
IH5041	Harris	HI5041	
	Siliconix	DG401	
IH5042	Harris	HI5042	
IH5043	Harris	HI5043	
		IH5043	
	Siliconix	DG403	
		DG5043	
IH5044	Harris	HI5044	
IH5045	Harris	HI5045	
	Siliconix	DG405	
		DG5045	
IH5048	Harris	HI5048	
IH5049	Harris	HI5049	
IH5050	Harris	HI5050	
IH5051	Harris	HI5051	
		IH5151	
IH5108	Harris	IH5108	
IH5140	Harris	IH5140	
IH5141	Harris	IH5141	
	Siliconix	DG401	
IH5142	Harris	IH5142	
IH5143	Harris	IH5143	
	Siliconix	DG403	
		DG5143	
IH5144	Harris	IH5144	
IH5145	Harris	IH5145	
	Siliconix	DG405	
IH5148	Harris	IH5048	
IH5341	Harris	IH5341	
IH5352	Harris	IH5352	
IH6108	Harris	IH6108	
	Siliconix	DG508	
IH6116	Siliconix	DG506	
IH6208	Siliconix	DG590	
IH6216	Siliconix	DG507	
LH0033	Elantec	ELH0033	
LH0101	Burr-Brown	OPA541	
	Elantec	ELH0101	
LT1001	AD	OP177	
		OP77	
MAX1232	Crystal	CS1232	
	LinearTech	LTC1232	
MAX131	Harris	ICL7136	
MAX136	Harris	ICL7116	
MAX160	AD	ADC908	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MAX162	LinearTech	LTC1272	
MAX163	LinearTech	LTC1272	
MAX173	Harris	HI7152	
MAX177	Harris	HI7151	
MAX230	Sipex-HSD	SP230	
MAX231	Sipex-HSD	SP231	
MAX232	Harris	ICL232	
	LinearTech	LT1081	
	Sipex-HSD	SP232	
MAX233	Sipex-HSD	SP233	
MAX234	Sipex-HSD	SP234	
MAX235	LinearTech	LT1130	
	Sipex-HSD	SP235	
MAX236	Sipex-HSD	SP236	
MAX237	LinearTech	LT1132	
	Sipex-HSD	SP237	
MAX238	LinearTech	LT1134	
	Sipex-HSD	SP238	
MAX239	LinearTech	LT1133	
	Sipex-HSD	SP239	
MAX241	LinearTech	LT1136	
	Sipex-HSD	SP241	
MAX331	Fujitsu	MB47201	
		MB47201P	
		MB47201PF	
	Siliconix	DG441	
MAX332	Siliconix	DG442	
MAX358	Burr-Brown	HI508	
	Harris	HI0508	
		IH5108	
	Siliconix	DG458	
MAX359	Burr-Brown	HI509	
	Harris	HI0509	
		IH5208	
	Siliconix	DG459	
MAX400	AD	OP177	
		OP77	
	LinearTech	LT1001	
MAX420	AD	OP177	
	LinearTech	LTC1150	
MAX421	AD	OP177	
MAX422	LinearTech	LTC1150	
MAX423	AD	OP177	
MAX430	AD	OP177	
	LinearTech	LTC1050	
		LTC1150	
MAX432	AD	OP177	
	LinearTech	LTC1050	
		LTC1150	
MAX450	Elantec	EL2020	
		EL2030	
MAX451	Elantec	EL2020	
		EL2030	
MAX452	Elantec	EL2020	
		EL2030	
MAX460	Elantec	EL2005	
	Harris	HA5033	
MAX480	LinearTech	LT1077	
MAX543	AD	DAC8043	
		DAC80436	
MAX610	Harris	HV1205	
MAX611	Harris	HV1205	
MAX612	Harris	HV1205	
MAX626	Harris	ICL7667	
MAX630	LinearTech	LT1173	
	Raytheon	RC4190	
		RC4193	
MAX631	LinearTech	LT1173	
MAX632	LinearTech	LT1173	
MAX633	Harris	ICL7663	
	LinearTech	LT1173	
MAX634	LinearTech	LT1173	
	Raytheon	RC4391	
MAX635	LinearTech	LT1173	
MAX636	LinearTech	LT1173	
MAX637	LinearTech	LT1173	
MAX638	LinearTech	LT1173	
MAX641	LinearTech	LT1173	
MAX642	LinearTech	LT1173	
MAX643	LinearTech	LT1173	
MAX654	Harris	ICL644	
	LinearTech	LT1073	
MAX655	Harris	ICL645	
	LinearTech	LT1173	
MAX656	Harris	ICL646	
	LinearTech	LT1073	
MAX657	Harris	ICL647	
	LinearTech	LT1073	
MAX658	LinearTech	LT1173	
MAX659	LinearTech	LT1173	
MAX660	LinearTech	LT1054	
MAX680	LinearTech	LT1026	
MAX690	LinearTech	LTC690	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MAX691	LinearTech	LTC691	
MAX694	LinearTech	LTC694	
MAX695	LinearTech	LTC695	
MAX699	Lattice	LT699	
MAX7129	Harris	ICL7129	
MAX7231	Harris	ICM7231	
MAX7232	Harris	ICM7232	
MAX8211	Harris	ICL8211	
MAX8212	Harris	ICL8212	
MAX9685	Harris	HFA0003	
MAX9690	Harris	HFA0003	
MAX9698	Elantec	EL2252	
MF10	Exar	XR1010	
	LinearTech	LTC1060	
	TI	TLC10	
		TLC20	
MM74C945	National	MM74C945	
MM74C947	National	MM74C947	
MX151	Harris	HI7152	
MX2700	Sipex-HSD	HS2700	
MX2701	Sipex-HSD	HS2701	
MX565	Harris	HI565	
MX574	Harris	HI574	
	Sipex-HSD	HS574	
MX674	Harris	HI674	
	Sipex-HSD	SP674	
MX7520	Harris	AD7520	
	Unitrode	PIC7520	
MX7521	Harris	AD7521	
MX7523	Harris	AD7523	
	Unitrode	PIC7523	
MX7530	Harris	AD7530	
	Unitrode	PIC7530	
MX7531	Harris	AD7531	
	Unitrode	PIC7531	
MX7533	Harris	AD7533	
	Unitrode	PIC7533	
MX7534	Harris	ICL7134	
MX7535	Harris	ICL7134	
MX7536	Harris	ICL7134	
MX7538	Sipex-HSD	SP7538	
MX7541	Harris	AD7541	
	Sipex-HSD	HS7541	
MX7545	Harris	AD7545	
MX7572	LinearTech	LTC1272	
MX774	Harris	HI774	
MX7820	LinearTech	LTC1099	
OP07	AD	OP07	
		OP177	
	LinearTech	OP07	
OP27	LinearTech	OP27	
	Motorola	OP27	
PM7542	AD	PM7542	
REF01	AD	REF01	
	Motorola	MC1404	
REF02	AD	REF02	
	Motorola	MC1404	
SG307	Siliconix	DG307	
TSC426	**Micrel**	**MIC426**	**(3574)**
		MIC4426	

MCE

Manufacturer Device	Replacement Source	Device	IC Master Page
MCELM10	**Gennum**	**GC810**	**(3495)**

Micrel

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ MIC74HCT240	GEC Plessey	MV74HCT240	
		74HCT240	
♦ MIC74HCT240	Harris	CD74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240	
		M74HCT240-1	
♦ MIC74HCT240	Motorola	MC74HCT240A	
	National	MM74HCT240	
	SGS-Thomson		
		M74HCT240	
	Signetics	74HCT240	
	TI	SN74HCT240	
	Toshiba	TC74HCT240A	
♦ MIC74HCT241	GEC Plessey	MV74HCT241	
		74HCT241	
♦ MIC74HCT241	Harris	CD74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241	
		M74HCT241-1	
♦ MIC74HCT241	Motorola	MC74HCT241A	
	National	MM74HCT241	
	SGS-Thomson		
		M74HCT241	
	Signetics	74HCT241	
	TI	SN74HCT241	
	Toshiba	TC74HCT241A	
♦ MIC74HCT242	Harris	CD74HCT242	
	Hitachi	HD74HCT242	
	Signetics	74HCT242	
	TI	SN74HCT242	
♦ MIC74HCT243	Harris	CD74HCT243	
	Hitachi	HD74HCT243	
	Signetics	74HCT243	
	TI	SN74HCT243	
♦ MIC74HCT244	GEC Plessey	MV74HCT244	
		74HCT244	
♦ MIC74HCT244	Harris	CD74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244	
		M74HCT244-1	
♦ MIC74HCT244	Motorola	MC74HCT244A	
	National	MM74HCT244	
	SGS-Thomson		
		M74HCT244	
	Signetics	74HCT244	
	TI	SN74HCT244	
	Toshiba	TC74HCT244A	
♦ MIC74HCT245	GEC Plessey	MV74HCT245	
		74HCT245	
♦ MIC74HCT245	Harris	CD74HCT245	
	Hitachi	HD74HCT245	
	Mitsubishi	M74HCT245-1	
	Motorola	MC74HCT245A	
	National	MM74HCT245	
	SGS-Thomson		
		M74HCT245	
	Signetics	74HCT245	
	TI	SN74HCT245	
	Toshiba	TC74HCT245A	
♦ MIC74HCT373	GEC Plessey	MV74HCT373	
		74HCT373	
♦ MIC74HCT373	GoldStar	GD74HCT373	
	Harris	CD74HCT373	
	Hitachi	HD74HCT373	
	Mitsubishi	M74HCT373-1	
	Motorola	MC74HCT373A	
	National	MM74HCT373	
	SGS-Thomson		
		M74HCT373	
	Signetics	74HCT373	
	TI	SN74HCT373	
	Toshiba	TC74HCT373A	
♦ MIC74HCT374	GEC Plessey	MV74HCT374	
		74HCT374	
♦ MIC74HCT374	GoldStar	GD74HCT374	
	Harris	CD74HCT374	
	Hitachi	HD74HCT374	
	Mitsubishi	M74HCT374-1	
	Motorola	MC74HCT374A	
	National	MM74HCT374	
	SGS-Thomson		
		M74HCT374	
	Signetics	74HCT374	
	TI	SN74HCT374	
	Toshiba	TC74HCT374A	
♦ MIC74HCT533	GEC Plessey	MV74HCT533	
		74HCT533	
♦ MIC74HCT533	Harris	CD74HCT533	
	Hitachi	HD74HCT533	
	Mitsubishi	M74HCT533-1	
	Motorola	MC74HCT533A	
	National	MM74HCT533	
	SGS-Thomson		
		M74HCT533	
	Signetics	74HCT533	
	TI	SN74HCT533	
	Toshiba	TC74HCT533A	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Micrel (Cont'd)			
♦ MIC74HCT534			
	GEC Plessey	MV74HCT534	
		74HCT534	
♦ MIC74HCT534			
	Harris	CD74HCT534	
	Hitachi	HD74HCT534	
	Mitsubishi	M74HCT534-1	
	Motorola	MC74HCT534A	
	National	MM74HCT534	
	SGS-Thomson		
		M74HCT534	
	Signetics	74HCT534	
	TI	SN74HCT534	
	Toshiba	TC74HCT534A	
♦ MIC74HCT540			
	GEC Plessey	MV74HCT540	
		74HCT540	
♦ MIC74HCT540			
	Harris	CD74HCT540	
	Motorola	MC74HCT540	
	National	MM74HCT540	
	SGS-Thomson		
		M74HCT540	
	Signetics	74HCT540	
	TI	SN74HCT540	
	Toshiba	TC74HCT540A	
♦ MIC74HCT541			
	GEC Plessey	MV74HCT541	
		74HCT541	
♦ MIC74HCT541			
	Harris	CD74HCT541	
	National	MM74HCT541	
	SGS-Thomson		
		M74HCT541	
	Signetics	74HCT541	
	TI	SN74HCT541	
	Toshiba	TC74HCT541A	
♦ MIC74HCT563			
	GEC Plessey	MV74HCT563	
		74HCT563	
♦ MIC74HCT563			
	Harris	CD74HCT563	
	SGS-Thomson		
		M74HCT563	
	Signetics	74HCT563	
	TI	SN74HCT563	
	Toshiba	TC74HCT563A	
♦ MIC74HCT564			
	GEC Plessey	MV74HCT564	
		74HCT564	
♦ MIC74HCT564			
	Harris	CD74HCT564	
	National	MM74HCT564	
	SGS-Thomson		
		M74HCT564	
	Signetics	74HCT564	
	TI	SN74HCT564	
	Toshiba	TC74HCT564A	
♦ MIC74HCT573			
	GEC Plessey	MV74HCT573	
		74HCT573	
♦ MIC74HCT573			
	Harris	CD74HCT573	
	Motorola	MC74HCT573A	
	National	MM74HCT573	
	SGS-Thomson		
		M74HCT573	
	Signetics	74HCT573	
	TI	SN74HCT573	
	Toshiba	TC74HCT573A	
♦ MIC74HCT574			
	GEC Plessey	MV74HCT574	
		74HCT574	
♦ MIC74HCT574			
	Harris	CD74HCT574	
	Motorola	MC74HCT574A	
	National	MM74HCT574	
	SGS-Thomson		
		M74HCT574	
	Signetics	74HCT574	
	TI	SN74HCT574	
	Toshiba	TC74HCT574A	
MIC8011	Gould AMI	S4520	
		S4521	
MM54C04	National	MM54C04	
MM54C14	National	MM54C14	
MM54C160	National	MM54C160	
MM54C161	National	MM54C161	
MM54C162	National	MM54C162	
MM54C163	National	MM54C163	
MM54C173	National	MM54C173	
MM54C174	National	MM54C174	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MM54C175	National	MM54C175	
MM54C192	National	MM54C192	
MM54C193	National	MM54C193	
MM54C200	National	MM54C200	
MM54C240	National	MM54C240	
MM54C244	National	MM54C244	
MM54C374	National	MM54C374	
MM54C42	National	MM54C42	
MM54C85	National	MM54C85	
MM54C86	National	MM54C86	
MM54C89	National	MM54C89	
MM54C901	National	MM54C901	
MM54C902	National	MM54C902	
MM54C903	National	MM54C903	
MM54C904	National	MM54C904	
MM54C905	National	MM54C905	
MM54C906	National	MM54C906	
MM54C907	National	MM54C907	
MM54C914	National	MM54C914	
MM54C941	National	MM54C941	
Micro Linear			
ML117	Cherry Semi	CS117	
ML4410	Hitachi	HA13481S	
ML510A	Cherry Semi	CS510A	
ML511	Hitachi	HA166008FP	
ML511R	Cherry Semi	CS511R	
ML541	Cherry Semi	CS541N	
ML8464	Krueger	8464	
Micro Networks			
ADC80	Harris	HI674	
ADC84	Harris	HI674	
	Sipex-HSD	ADC85	
ADC85	Sipex-HSD	ADC85	
ADC87	MicroNet	ADC87	
	Sipex-HSD	ADC85	
DACHK	Burr-Brown	DAC811	
DAC71	Harris	HIDAC16	
		ICL7121	
DAC80	Harris	HIDAC80	
DAC85	Harris	HIDAC85	
DAC87	Harris	HIDAC87	
MNADC80	Burr-Brown	ADC80	
MNADC84	**Burr-Brown**	**ADC84**	**(3420)**
MNADC85	Burr-Brown	ADC85	
MNADC87	Burr-Brown	ADC87	
MNDAC80	Burr-Brown	DAC80	
		DAC800	
MNDAC85	Burr-Brown	DAC85	
		DAC87	
MNDAC87	Burr-Brown	DAC87	
MNDAC88	Burr-Brown	DAC811	
MN0300	**Burr-Brown**	**SHC803**	**(3420)**
		SHC804	**(3420)**
MN2020	Burr-Brown	PGA100	
		PGA102	**(3413)**
		PGA200	**(3413)**
MN3000	Sipex-HSD	DAC337	
MN3001	Sipex-HSD	DAC337	
MN3002	Sipex-HSD	DAC337	
MN3003	Sipex-HSD	DAC337	
MN3004	Sipex-HSD	DAC337	
MN3005	Sipex-HSD	DAC337	
MN3006	Sipex-HSD	DAC337	
MN3007	Sipex-HSD	DAC337	
MN3020	Sipex-HSD	HS3020	
MN3300	Burr-Brown	DAC700	
		DAC703	
		DAC71	
		DAC72	
MN3310	Burr-Brown	DAC700	
		DAC703	
		DAC71	
		DAC72	
MN3348	Sipex-HSD	DAC349	
MN3349	Sipex-HSD	DAC349	
MN3660	Burr-Brown	DAC811	
MN375	**Burr-Brown**	**SHC803**	**(3420)**
MN376	**Burr-Brown**	**SHC804**	**(3420)**
MN379	Burr-Brown	SHC600	
MN3850	Burr-Brown	DAC85	
		DAC87	
	Sipex-HSD	HS3860	
MN3860	Burr-Brown	DAC811	
	Sipex-HSD	HS3860	
MN5065	GEC Plessey	ZN509	
MN5066	GEC Plessey	ZN509	
MN5100	GEC Plessey	ZN509	
	TI	ADC0820	
		TLC0820	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MN5101	GEC Plessey	ZN509	
	TI	ADC0820	
		TLC0820	
MN5120	GEC Plessey	ZN509	
	TI	ADC0820	
		TLC0820	
MN5130	GEC Plessey	ZN509	
	TI	ADC0820	
		TLC0820	
MN5131	Sipex-HSD	HS5131	
MN5140	GEC Plessey	ZN509	
	TI	ADC0820	
		TLC0820	
MN5150	GEC Plessey	ZN509	
	Sipex-HSD	HS5150	
MN5200	**Burr-Brown**	**ADC84**	**(3420)**
		ADC85	
MN5210	Burr-Brown	ADC85	
	Sipex-HSD	HS5210	
MN5211	Sipex-HSD	HS5211	
MN5212	Sipex-HSD	HS5212	
MN5213	Sipex-HSD	HS5213	
MN5215	Sipex-HSD	HS5215	
MN5216	Sipex-HSD	HS5216	
MN5245	Burr-Brown	ADC601	
		SHC803	**(3420)**
MN5246	Burr-Brown	ADC601	
MN5251	Sipex-HSD	HS5251	
MN5280	Burr-Brown	ADC71	
		ADC72	
MN5282	Burr-Brown	ADC71	
		ADC72	
MN5290	Burr-Brown	ADC76	
MN5291	Burr-Brown	ADC76	
MN541	GEC Plessey	SL541	
MN5610	**Burr-Brown**	**ADC84**	**(3420)**
		ADC85	
MN574	Burr-Brown	ADC574	
	Sipex-HSD	HS574	
MN5815	GEC Plessey	ZN509	
MN5825	GEC Plessey	ZN509	
MN6227	Sipex-HSD	HS9474	
MN674	Sipex-HSD	SP674	
MN7100	Burr-Brown	SDM872	
MN7120	GEC Plessey	ZN437	
MN7130	Burr-Brown	MP22	
		MP32	
MN7145	Sipex-HSD	HS9410	
MN7146	Sipex-HSD	HS9411	
MN7147	Sipex-HSD	HS9412	
MN7150	Burr-Brown	SDM872	
		SDM873	
	Sipex-HSD	HS9403	
MP9377	Burr-Brown	DAC705	
Micro Power Systems			
AD810	AD	MAT01	
AD811	AD	MAT01	
AD812	AD	MAT01	
AD818	AD	MAT01	
MPOP01	AD	OP01	
MPOP02	AD	OP02	
MPOP04	AD	OP04	
MPOP05	AD	OP05	
MPOP07	AD	OP07	
	National	LM607	
MPOP08	AD	OP08	
MPOP09	AD	OP09	
MPOP10	**AD**	**OP10**	**(3343)**
MPOP11	AD	OP11	
MPOP12	AD	OP12	
MPOP14	**AD**	**OP14**	**(3343)**
	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
MPOP207	AD	OP227	
MPOP227	AD	OP227	
MPOP27	AD	OP27	
MPREF01	AD	REF01	
MPREF02	AD	REF02	
MPREF05	AD	REF05	
MPREF10	AD	REF10	
MPS7574	GEC Plessey	ZN448	
		ZN449	
MPT01	AD	MAT01	
MPT02	AD	MAT02	
MP108	AD	PM108	
	National	LM108	
MP155	AD	OP15	
		PM155	
	National	LF155	

Manufacturer Device	Replacement Source	Device	IC Master Page
MP156	AD	OP16	
		PM156	**(3337)**
	National	LF156	
MP157	AD	OP17	
		PM157	**(3337)**
	National	LF157	
MP200	Siliconix	DG200	
MP201	Fujitsu	MB47201	
		MB47201P	
		MB47201PF	
	Siliconix	DG411	
MP208	National	LM208	
MP2108	National	LH2108	
MP302	Siliconix	DG302	
MP303	Siliconix	DG303	
MP308	AD	PM308	
	National	LM308	
MP310	AD	MAT01	
MP311	AD	MAT01	
MP313	AD	MAT01	
MP318	AD	MAT01	
MP350	**AD**	**MAT03**	**(3334)**
MP351	**AD**	**MAT03**	**(3334)**
MP355	AD	OP15	
		PM355	
	National	LF355	
MP356	AD	OP16	
		PM356	
	National	LF356	
MP357	National	LF357	
MP358	**AD**	**MAT03**	**(3334)**
MP360	**AD**	**MAT03**	**(3334)**
		OP17	
MP361	**AD**	**MAT03**	**(3334)**
MP4136	AD	OP09	
MP5010	Harris	ICL8069	
	National	LM185	
		LM385	
MP5520	AD	DAC01	
	GEC Plessey	ZN436	
MP5531	Motorola	MC1404	
MP5532	Motorola	MC1404	
MP562	AD	PM562	
MP574	Burr-Brown	ADC574	
	Harris	HI574	
	Sipex-HSD	HS574	
MP574A	MicroNet	MN574A	
MP7138	TI	ICL7135	
		TLC7135	
		TL500	
		TL501	
		TL503	
MP7501	Siliconix	DG501	
	Unitrode	PIC7501	
MP7502	Unitrode	PIC7502	
MP7503	Siliconix	DG503	
	Unitrode	PIC7503	
MP7506	Burr-Brown	HI506	
		MPC16	
	Siliconix	DG506	
MP7507	Burr-Brown	HI507	
		MPC8	
	Siliconix	DG507	
MP7508	Burr-Brown	HI508	
		MPC8	
	Siliconix	DG508	
MP7509	Burr-Brown	HI509	
		MPC4	
	Siliconix	DG509	
MP7510	AD	SW7510	
	Unitrode	PIC7510	
MP7511	AD	SW7511	
	Unitrode	PIC7511	
MP7512	Unitrode	PIC7512	
MP7520	Harris	AD7520	
	Unitrode	PIC7520	
MP7521	Harris	AD7521	
MP7522	Unitrode	PIC7522	
MP7523	GEC Plessey	ZN429	
	Harris	AD7523	
	Unitrode	PIC7523	
MP7524	AD	PM7524	
	GEC Plessey	ZN428	
		ZN558	
MP7528	AD	PM7528	
MP7530	Unitrode	PIC7530	
MP7531	AD	PM7541	
	Burr-Brown	DAC7541	
	Unitrode	PIC7531	
MP7533	AD	PM7533	
	Harris	AD7533	
	Unitrode	PIC7533	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Micro Power Systems (Cont'd)			
MP7541	AD	PM7541	
	Burr-Brown	DAC7541	
	Harris	AD7541	
	Sipex-HSD	HS7541	
MP7542	AD	PM7542	
	Burr-Brown	**DAC7545**	**(3418)**
	Signal Proc	HDAC7542	
MP7543	AD	PM7543	
	Signal Proc	HDAC7543	
MP7545	AD	PM7545	
	Burr-Brown	DAC7541	
	Harris	AD7545	
	Signal Proc	HDAC745	
		HDAC7545	
MP7570	GEC Plessey	ZN432	
		ZN503	
MP7574	AD	ADC908	
		PM7574	
	TI	ADC0804	
MP7581	GEC Plessey	ZN437	
MP7614	Sipex-HSD	HS3140	
MP7616	Burr-Brown	DAC700	
		DAC703	
MP7621	AD	PM7541	
	Burr-Brown	DAC7541	
	Harris	AD7541	
MP7622	**Burr-Brown**	**DAC7545**	**(3418)**
	Sipex-HSD	HS3120	
MP7623	AD	PM7541	
	Burr-Brown	DAC7541	
	Signal Proc	HADC7541	
MP7626	Sipex-HSD	SP9316	
MP7628	AD	DAC8408	
MP7633	Unitrode	PIC7533	
MP7645	AD	PM7645	
MP7680	Sipex-HSD	HS7584	
MP7682	GEC Plessey	ZN440	
		ZN441	
	Harris	CA3306	
MP7683	GEC Plessey	ZN439	
MP7684	GEC Plessey	ZN439	
	Harris	HI5700	
MP9331	Burr-Brown	DAC708	
		DAC709	
MP9377	Burr-Brown	DAC707	
OP37	AD	OP37	
REF10	**Burr-Brown**	**REF10**	**(3417)**
Micro-C			
TMPZ84C00	Micro-C	84C00	
Micro-Rel			
MR3232	GEC Plessey	CT3232	
MR63105	GEC Plessey	CT1487	
MR63125	GEC Plessey	CT1487	
Microchip Technology Inc.			
AY2661	SMC	COM2661	
AY31013	SMC	COM8017	
		COM8502	
AY500	GEC Plessey	MV500	
AY53600	SMC	KR9600	
		KR9601	
		KR9602	
AY58116	SMC	COM5016	
		COM5036	
		COM8116	
		COM8136	
AY58126	SMC	COM5026	
		COM5046	
		COM8126	
		COM8146	
AY58136	SMC	COM5016	
		COM5036	
		COM8116	
		COM8136	
AY59480	GEC Plessey	MV5089	
DSP32010	Micro-C	32010	
ER5911	**Catalyst**		
	Semi	**CAT59C11**	**(3424)**
	EXEL	XL93C46	
		XL93LC46	
	OKI	MSM16911	
ER5912	**Catalyst**		
	Semi	**CAT35C102**	**(3424)**
		CAT35C202	**(3424)**
	OKI	MSM16912	

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Manufacturer Device	Replacement Source	Device	IC Master Page
ER59256	Samsung	KM93C07	
MT1257	Micro-C	41257	
MT4C4256	Micro-C	414256	
MT4264	Micro-C	4164	
PCD8572	Signetics	PCF8581	
PCD8572I	Signetics	PCF8581	
PCD8582	Signetics	PCF8582	
PCD8582I	Signetics	PCF8582	
PC28C04	EXEL	XL2804	
RO9256	Waferscale	WS27C256	
SPR128	Micro-C	128	
27C1024	Krueger	27C210	
	Waferscale	WS27C010	
27C128	Krueger	27C128-200	
		27C128-250	
	Micro-C	27C128	
27C128-15BXA			
	TI	SMJ27C128-15JM	
27C128-17BXA			
	TI	SMJ27C128-17JM	
27C128-20BXA			
	TI	SMJ27C128-20JM	
27C128-25BXA			
	TI	SMJ27C128-25JM	
27C256	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	Waferscale	WS27C256	
27C256-15BXA			
	TI	SMJ27C256-15JM	
27C512	Krueger	27C512-150	
		27C512-200	
		27C512-250	
	Waferscale	WS27C512	
27C512-20BXA			
	TI	SMJ27C512-20JM	
27C512-25BXA			
	TI	SMJ27C512-25JM	
27C64	Krueger	27C64-200	
		27C64-250	
		27C64-300	
27HC64	Micro-C	27HC64	
	Waferscale	WS57C64	
27HC641	Waferscale	WS57C49	
27256	Micro-C	27256	
	Waferscale	WS27C256	
27256-17BXA	TI	SMJ27C256-17JM	
27256-20BXA	TI	SMJ27C256-20JM	
27256-25BXA	TI	SMJ27C256-25JM	
28CP256	NEC	μPD28C256	
28CP64	SEEQ	28C64	
28C04	EXEL	XL2816	
	NEC	μPD28C04	
28C16	EXEL	XL28C16	
	Micro-C	28C16	
28C191	SEEQ	36C16	
28C256	NEC	μPD28C256	
	SEEQ	28C256	
28C291	SEEQ	36C16	
28C64	EXEL	XL28C64	
	Micro-C	28C64	
	NEC	μPD28C64	
	SEEQ	28C65	
28HC16	SEEQ	36C16	
59C11	EXEL	XL93C46	
		XL93LC46	
93C06	EXEL	XL93LC06	
	Samsung	KM93C06	
93C46	EXEL	XL93C46	
		XL93LC06	
		XL93LC46	
Micron Technology			
MC5C2561	Cypress	CY7C197	
MT1259	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	Micro-C	41256	
	Vitelic	V53C256	
MT4C1004	Motorola	MCM514100	
	NEC	μPD424100	
	Toshiba	TC514100	
MT4C1024	GoldStar	GM71C1000	
	Krueger	511000-100	
		511000-70	
		511000-80	
	Motorola	MCM511000	
	Toshiba	TC511000	
		TC511000B	
	Vitelic	V53C100	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MT4C1024C-10/883C			
	TI	SMJ4C1024-10JDM	
MT4C1024C-12/883C			
	TI	SMJ4C1024-12JDM	
MT4C1024C-15/883C			
	TI	SMJ4C1024-15JDM	
MT4C1025	Motorola	MCM511001	
	Toshiba	TC511001	
		TC511001B	
MT4C1026	Motorola	MCM511002	
	Toshiba	TC511002	
MT4C1608	AT&T	ATT7C116	
MT4C1664	Vitelic	V53C664	
MT4C1665	Vitelic	V53C665	
MT4C256	Vitelic	V53C104	
MT4C4001	Motorola	MCM514400	
	NEC	μPD424400	
	Toshiba	TC514400	
MT4C4001CN-10/883C			
	TI	SMJ44400-10JDM	
MT4C4001CN-12/883C			
	TI	SMJ44400-12JDM	
MT4C4001CN-8/883C			
	TI	SMJ44400-80JDM	
MT4C4064	Micro-C	V64KX4	
MT4C4256	GoldStar	GM71C4256	
		GM71C7256	
	Krueger	514256-100	
		514256-70	
		514256-80	
	Motorola	MCM514256	
	Toshiba	TC514256	
		TC514256B	
MT4C4256C-10/883C			
	TI	SMJ44C256-10JDM	
MT4C4256C-12/883C			
	TI	SMJ44C256-12JDM	
MT4C4256C-15/883C			
	TI	SMJ44C256-15JDM	
MT4C4258	Motorola	MCM514258	
	Toshiba	TC514258	
		TC514258B	
	Vitelic	V53C104	
MT4C6408	AT&T	ATT7C185	
MT4067	Krueger	41464-100	
		41464-120	
		41464-150	
	Vitelic	V53C464	
MT42C4064	GoldStar	GM53C261	
		GM53C461	
	Krueger	4461-100	
		4461-120	
		4461-150	
	Vitelic	V53C261	
MT4264	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
MT5C1001	AT&T	ATT7C107	
	Inova	S1M1	
MT5C1005	AT&T	ATT7C106	
	Inova	S256K4	
	Mosel	MS621002	
MT5C1008	AT&T	ATT7C109	
	Cypress	CY7C108	
		CY7C109	
	Inova	S128K8	
	Mosel	MS621008	
	Paradigm	PDM41024	
MT5C1601	AT&T	ATT7C167	
	Cypress	CY7C167	
	IDT	IDT6167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	LogicDev	L7C167	
	SGS-Thomson		
		IMS1403	
		MK41H67	
MT5C1604	AT&T	ATT7C168	
	Cypress	CY7C168	
	IDT	IDT6168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
	SGS-Thomson		
		IMS1423	
		MK41H68	
	UMC	UM6168	
MT5C1605	AT&T	ATT7C170	
	Cypress	CY7C170	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MT5C1605			(Cont'd)
	IDT	IDT61970	
	LogicDev	L7C170	
	Motorola	MCM6270	
MT5C1606	AT&T	ATT7C171	
	Cypress	CY7C171	
	IDT	IDT716881	
	LogicDev	L7C171	
MT5C1607	AT&T	ATT7C172	
	Cypress	CY7C172	
	IDT	IDT71682	
	LogicDev	L7C172	
MT5C1608	Cypress	CY7C128	
	IDT	IDT6116	
	LogicDev	L6116	
	UMC	UM6116	
MT5C2561	AT&T	ATT7C197	
	LogicDev	L7C197	
	Mosel	MS62251	
	Motorola	MCM6207	
	Paradigm	PDM41257	
	Sony	CXK51256	
MT5C2564	AT&T	ATT7C194	
	Cypress	CY7C194	
	IDT	IDT71B258	
	LogicDev	L7C194	
	Mosel	MS62252	
	Motorola	MCM6208	
	Paradigm	PDM41258	
	Sony	CXK54256	
	Toshiba	TC55464	
	Vitelic	V63C70	
MT5C2565	AT&T	ATT7C195	
	Cypress	CY7C196	
	IDT	IDT61B298	
	LogicDev	L7C195	
	Motorola	MCM6209	
	Paradigm	PDM41298	
	Toshiba	TC55465	
	Vitelic	V63C71	
MT5C2568	AT&T	ATT7C199	
	Cypress	CY7C198	
		CY7C199	
	IDT	IDT71256	
	Krueger	62256-025	
		62256-030	
		62256-035	
	LogicDev	L7C199	
	Mosel	MS62256	
	Motorola	MCM6206	
	Paradigm	PDM41256	
	Sony	CXK58258	
	Toshiba	TC55328	
MT5C604	Sony	CXK5464	
MT5C6401	AT&T	ATT7C187	
	Cypress	CY7C187	
	IDT	IDT7187	
	Krueger	6287-35	
		6287-45	
		6287-55	
	LogicDev	L7C187	
	Micro-C	S64KX1	
	Motorola	MCM6287	
	SGS-Thomson		
		IMS1600	
	Sony	CXK5164	
	Toshiba	TC5561	
		TC5562	
MT5C6404	AT&T	ATT7C164	
	Cypress	CY7B164	
		CY7C164	
	IDT	IDT7188	
	LogicDev	L7C164	
	Micro-C	S16KX4PSC	
	Motorola	MCM6288	
	Quality Semi	QS8888	
	SGS-Thomson		
		IMS1620	
	Toshiba	TC55416	
MT5C6405	AT&T	ATT7C166	
	Cypress	CY7B166	
		CY7C166	
	IDT	IDT7198	
	Krueger	6289-25	
		6289-35	
		6289-45	
	LogicDev	L7C166	
	Motorola	MCM6290	
	Quality Semi	QS8886	
	SGS-Thomson		
		IMS1624	
	Toshiba	TC55417	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Micron Technology (Cont'd)			
MT5C6406	AT&T	ATT7C161	
	Cypress	CY7B161	
		CY7C161	
	IDT	IDT71981	
	LogicDev	L7C161	
	Quality Semi	QS8881	
MT5C6407	AT&T	ATT7C162	
	Cypress	CY7B162	
		CY7C162	
	IDT	IDT71982	
	LogicDev	L7C162	
	Quality Semi	QS8882	
MT5C6408	Cypress	CY7B185	
		CY7C185	
	IDT	IDT7164	
	Krueger	6264-025	
		6264-035	
		6264-045	
	LogicDev	L7C185	
	Mosel	MS6264	
	Motorola	MCM6264	
	Sony	CXK5863	
	Toshiba	TC55B88	
		TC5588	
	UMC	UM6164	
	Vitelic	V63C64	
MT52C9005	Vitelic	V61C01	
MT52C9010	Vitelic	V61C02	
MT56C0816	AT&T	ATT7C183	
	Samsung	KM78C80	
	Toshiba	TC55187	
	UMC	UM61168	
MT56C2416	Sony	CXK7701	
MT56C3816	AT&T	ATT7C184	
MT560816	Vitelic	V63C328	
MT58C1289	AT&T	ATT7C341	
MT8C16256	IDT	IDT7MB4066	
MT8C3216	IDT	IDT7MP4031	
MT8C32256	IDT	IDT7MP4045	
MT8C3264	IDT	IDT7MP4036	
MT8C36256	Motorola	MCM36256	
	Toshiba	THM362500	
MT8C36512	Motorola	MCM36512	
	Toshiba	THM365120	
	Vitelic	V104AJ236	
MT8C3656	Vitelic	V104AJ36	
MT8C8024	Motorola	MCM81000	
	NEC	MC421000A8	
	Toshiba	THM81000	
	Vitelic	V100AJ8	
MT8C8025	Motorola	MCM81001	
MT8C8026	Motorola	MCM81002	
MT8C8256	Motorola	MCM84256	
	Toshiba	THM82500	
MT8C9024	Motorola	MCM91000	
	NEC	MC421000A9	
	Toshiba	THM91000	
	Vitelic	V100AJ9	
MT8C9025	Motorola	MCM91001	
MT8C9026	Motorola	MCM91002	
MT8C9256	Motorola	MCM94256	
	Toshiba	THM92500	
MT8S1632	Cypress	CYM1821	
MT8S6432	Cypress	CYM1831	
MT8259	Vitelic	V256J8	
MT85C1632	IDT	IDT8M612	
MT85C1664	IDT	IDT8M624	
MT85C3216	Cypress	CYM1821	
MT85C3264	Cypress	CYM1831	
MT85C8128	Cypress	CYM1420	
		CYM1423	
	IDT	IDT8M824	
MT9259	Vitelic	V256J9	
M5C6404	**Krueger**	**6288-25**	**(3548)**
		6288-35	
		6288-45	
M75C6405	Toshiba	TC55B417	
P4C168	Motorola	MCM6268	
27C128	AMD	AM27C128	
27C256	AMD	AM27C256	
27C512	AMD	AM27C512	
27C64	AMD	AM27C64	
Micropac			
MIOP42105	**Apex**	**PA73**	**(3379)**
MIOP42106	**Apex**	**PA51**	**(3379)**
MIOP42109	**Apex**	**PA12**	**(3379)**
42105	**Apex**	**PA73**	**(3379)**
42106	**Apex**	**PA51**	**(3379)**
42109	**Apex**	**PA12**	**(3379)**
Mitel Corp.			
MD65SC51	CMD Micro	G65SC51	
MD65SC51B	Gould AMI	S65C51	
ML8024	GEC Plessey	SL8204	
ML8204	Samsung	KA2410	
ML8205	Samsung	KA2411	
MT3506	GEC Plessey	MV3506	
MT3507	GEC Plessey	MV3507	
MT35212A	Gould AMI	S35212A	
MT4320	GEC Plessey	MV4320	
MT5087	GEC Plessey	MV5087	
MT5089	GEC Plessey	MV5089	
MT8804	GEC Plessey	MV8804	
MT8812	Samsung	KT8593	
MT8860	GEC Plessey	MV8860	
MT8862	GEC Plessey	MV8862	
MT8863	GEC Plessey	MV8863	
MT8865	GEC Plessey	MT8865	
		MV8865	
MT8870	CMD Micro	CM8870	
	Crystal	CS8870	
	GEC Plessey	MV8870	
	Samsung	KT3170	
MT8870C	CMD Micro	CM8870C	
MT8880A	CMD Micro	CM8880	
MT8981	Gould AMI	S8981	
M27C256	Waferscale	WS27C256	
M27256	Waferscale	WS27C256	
M5L27256	Waferscale	WS27C256	
Mitsubishi Electronics			
KM75C01	Vitelic	V61C01	
KM75C02	Vitelic	V61C02	
MGF8003	GEC Plessey	SP8703	
		SP8704	
MH1M08	NEC	MC421000A8	
	Samsung	KMM581000	
	Vitelic	V100AJ8	
MH1M08AOJ	Toshiba	THM81000	
MH1M08B0	Motorola	MCM81000	
MH1M08B1	Motorola	MCM81001	
MH1M08B2	Motorola	MCM81002	
MH1M09	NEC	MC421000A9	
	Samsung	KMM591000	
	Vitelic	V100AJ9	
MH1M09AOJ	Toshiba	THM91000	
MH1M09B0	Motorola	MCM91000	
MH1M09B1	Motorola	MCM91001	
MH1M09B2	Motorola	MCM91002	
MH1M36	Toshiba	THM361020	
MH25608	Motorola	MCM84256	
	NEC	MC41256A8	
	Toshiba	THM82500	
	Vitelic	V256J8	
MH25609	Motorola	MCM94256	
	NEC	MC41256A9	
	OKI	MSC2304	
	Toshiba	THM92500	
	Vitelic	V256J9	
MH25636	NEC	MC424256A36	
MH25636AJ	Toshiba	THM362500	
MH25636BJ	Motorola	MCM36256	
MH4M08	Toshiba	THM84000	
MH4M09	Toshiba	THM94000	
MH4M090J	Motorola	MCM94000	
MH51236	NEC	MC424512A36	
MH51236AJ	Toshiba	THM365120	
MH51236BJ	Motorola	MCM36512	
M2064	Allegro Micro	ULN2064	
M2065	Allegro Micro	ULN2065	
M2580	Allegro Micro	UDN2580	
M27C512	Waferscale	WS27C128	
M2981	Allegro Micro	UDN2981	
M2982	Allegro Micro	UDN2982	
M2983	Allegro Micro	UDN2983	
M2984	Allegro Micro	UDN2984	
M37450	Hitachi	HD647180	
M5K4164	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
			(Continued)
M5K4164			(Cont'd)
	Micro-C	4164	
	OKI	MSM3764	
	Siemens	HYB4164	
M5L2114	**Krueger**	**2114-150**	**(3548)**
		2114-200	**(3548)**
		2114-450	**(3548)**
M5L27C128	Waferscale	WS27C128	
M5L2708	Micro-C	2708	
M5L27128	Micro-C	27128	
	OKI	MSM27128	
M5L2716	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
M5L27256	OKI	MSM27256	
	Waferscale	WS27C256	
M5L27512	OKI	MSM27512	
M5L2764	**Krueger**	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
	Micro-C	2764	
	OKI	MSM2764	
M5L8039	Krueger	8039	
	Micro-C	8039	
M5L8042	Micro-C	8042	
♦ M5L8080	Lansdale	IL8080	
M5L8085	Siemens	SAB8085	
M5L8085A	**Krueger**	**8085A**	**(3548)**
M5L8086	Siemens	SAB8086	
M5L8155	Siemens	SAB8155	
M5L8156	Micro-C	8156	
♦ M5L8212	**Lansdale**	**IL8212**	**(3549)**
♦ M5L8216	**Lansdale**	**IL8216**	**(3549)**
♦ M5L8224	**Lansdale**	**IL8224**	**(3549)**
♦ M5L8226	**Lansdale**	**IL8226**	**(3549)**
♦ M5L8228	**Lansdale**	**IL8228**	**(3549)**
M5L8243	Micro-C	8243	
M5L8251	AMD	P8251	
	Krueger	8251	
	Micro-C	8251	
M5L8253	AMD	P8253	
	Krueger	8253	
M5L8255	Krueger	8255	
	Micro-C	8255	
M5L8255A	**Newbridge**	**CA82C55A**	**(3593)**
M5L8257	Krueger	8257	
	Micro-C	8257	
M5L8259	Micro-C	8259	
	Siemens	SAB8259	
M5L8259A	Krueger	8259	
	Newbridge	**CA82C59A**	**(3593)**
M5L8282	Siemens	SAB8282	
M5L8283	Siemens	SAB8283	
M5L8284	Siemens	SAB8284	
M5L8284A	**Newbridge**	**CA82C84A**	**(3593)**
M5L8286	Siemens	SAB8286	
M5L8287	Siemens	SAB8287	
M5L8288	Siemens	SAB8288	
M5L8289	Siemens	SAB8289	
M5M1006	Toshiba	TC551001	
M5M16100	MicronTech	MT4C10016	
M5M16400	MicronTech	MT4C40004	
M5M179	Motorola	MCM6265	
M5M21C67	AT&T	ATT7C167	
	Cypress	CY7C167	
	IDT	IDT6167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	MicronTech	MT5C1601	
	SGS-Thomson	IMS1403	
M5M21C68	AT&T	ATT7C168	
	Cypress	CY7C168	
	IDT	IDT6168	
	Micro-C	S4KX4	
	MicronTech	MT5C1604	
	SGS-Thomson	IMS1423	
		MK41H68	
M5M2167	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
M5M2168	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	Micro-C	S4KX4	
M5M23C100	GoldStar	GM231000	
	OKI	MSM531000	
			(Continued)
M5M23C100			(Cont'd)
	Samsung	KM23C1000	
	UMC	UM23C1024	
M5M23C400	OKI	MSM534002	
	Panasonic	MN234000	
	Samsung	KM23C4100	
	Toshiba	TC534000	
		TC534200	
	UMC	UM23C4001	
M5M23C401	OKI	MSM534001	
	Panasonic	MN234001	
	Samsung	KM23C4000	
M5M23C800	Toshiba	TC538200	
M5M231000	Hitachi	TC531000	
	Samsung	KM23C1000	
M5M231001	Samsung	KM23C1001	
M5M23128	OKI	MSM38128	
	Panasonic	MN23128	
	UMC	UM23C128	
M5M231600	Toshiba	TC5316200	
M5M23256	OKI	MSM38256	
	Panasonic	MN23257	
	UMC	UM23C256	
M5M2364	OKI	MSM3864	
	Panasonic	MN2364	
	UMC	UM23C64	
M5M255	Sony	CXK58257	
M5M27C100	AMD	AM27C100	
	Toshiba	TC541001	
		TC571001	
M5M27C101	AMD	AM27C010	
	Krueger	27C010	
	Micro-C	27C1032	
	NEC	μPD27C1001	
	OKI	MSM271000	
	Toshiba	TC541000	
		TC571000	
M5M27C102	OKI	MSM27C1024	
		MSM271024	
	Toshiba	TC57102	
M5M27C128	Krueger	27C128-200	
		27C128-250	
M5M27C201	NEC	μPD27C2001	
	OKI	MSM27C2000	
M5M27C202	Micro-C	27C1040	
	OKI	MSM27C2048	
M5M27C256	AMD	AM27C256	
	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	OKI	MSM27C256	
	Toshiba	TC54256	
		TC57256	
M5M27C512	AMD	AM27C512	
	Krueger	27C512-150	
		27C512-200	
		27C512-250	
	Toshiba	TC54512	
M5M27C512A	Toshiba	TC27512	
M5M27102	Catalyst Semi	CAT27C210	
M5M272112	Cypress	CY7C286	
M5M27256	Catalyst Semi	CAT27256	
	Cypress	CY7C274	
	Krueger	**27256-200**	**(3548)**
		27256-250	**(3548)**
		27256-300	**(3548)**
M5M2732	**Krueger**	**2732-250**	**(3548)**
		2732-300	**(3548)**
		2732-350	**(3548)**
		2732-450	**(3548)**
M5M27512	Catalyst Semi	CAT27512	
	Krueger	**27512-200**	**(3548)**
		27512-250	**(3548)**
M5M28C64	NEC	μPD28C64	
	OKI	MSM28C64	
M5M4C1000	GoldStar	GM71C1000	
	Krueger	511000-100	
		511000-70	
		511000-80	
	MicronTech	MT4C1024	
	NEC	μPD421000	
	OKI	MSM511000	
	Panasonic	MN41C1000	
	Siemens	HYB511000	
	Vitelic	V53C100	
M5M4C1001	Micro-C	511001	
	MicronTech	MT4C1025	
	NEC	μPD421001	
	OKI	MSM511001	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Mitsubishi Electronics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
M5M4C1002	Micro-C	511002	
	MicronTech	MT4C1026	
	NEC	μPD421002	
	OKI	MSM511002	
	Panasonic	MN41C1002	
	Siemens	HYB511002	
M5M4C256	NEC	μPD424256	
M5M4C264	GoldStar	GM53C261	
		GM53C461	
	Krueger	4461-100	
		4461-120	
		4461-150	
	Micro-C	V64KX4	
	NEC	μPD41264	
	Panasonic	MN47464	
	Samsung	KM424C64	
	Vitelic	V53C261	
M5M41000	Krueger	511000-100	
		511000-70	
		511000-80	
	Micro-C	511000	
	Motorola	MCM511000	
	OKI	MSM511000	
	Panasonic	MN411000	
M5M41000A	Toshiba	TC511000B	
M5M41001	Micro-C	511001	
	Motorola	MCM511001	
	OKI	MSM511001	
	Toshiba	TC511001	
M5M41001A	Toshiba	TC511001B	
M5M41002	Micro-C	511002	
	Motorola	MCM511002	
	OKI	MSM511002	
M5M41002A	Toshiba	TC511002	
M5M4116	Krueger	4116-120	
		4116-150	
		4116-200	
M5M41257	OKI	MSM41257	
M5M4256	GoldStar	GM71256	
	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	Micro-C	41256	
	MicronTech	MT1259	
	NEC	μPD41256	
	OKI	MSM41256	
	Panasonic	MN41256	
	Siemens	HYB41256	
	Vitelic	V53C256	
M5M4257	Micro-C	41257	
	Panasonic	MN41257	
	Siemens	HYB41257	
M5M44C256	GoldStar	GM71C4256	
		GM71C7256	
	MicronTech	MT4C4256	
	OKI	MSM514256	
	Panasonic	MN41C4256	
	Vitelic	V53C104	
M5M44C258	MicronTech	MT4C4258	
	OKI	MSM514258	
	Panasonic	MN41C4258	
M5M44100	MicronTech	MT4C1004	
	Motorola	MCM514100	
	NEC	μPD424100	
	Toshiba	TC514100	
M5M44101	MicronTech	MT4C1005	
	NEC	μPD424101	
M5M44102	MicronTech	MT4C1006	
	NEC	μPD424102	
	Toshiba	TC514102	
M5M4416	Krueger	41416-100	
		41416-120	
		41416-150	
M5M442256	Micro-C	V256KX4	
	MicronTech	MT42C4256	
	NEC	μPD42273	
		μPD42274	
	Samsung	KM424C257	
M5M44256	Krueger	514256-100	
		514256-70	
		514256-80	
	Micro-C	414256	
	Motorola	MCM514256	
	OKI	MSM514256	
	Toshiba	TC514256	
M5M44256B	Toshiba	TC514256B	
M5M44258	Micro-C	414258	
	Motorola	MCM514258	
	OKI	MSM514258	
	Toshiba	TC514258	

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Manufacturer Device	Replacement Source	Device	IC Master Page
M5M44258B	Toshiba	TC514258B	
M5M44266B	Toshiba	TC514266B	
M5M44268	Toshiba	TC514266	
M5M44400	MicronTech	MT4C1001	
	Motorola	MCM514400	
	NEC	μPD424400	
	Toshiba	TC514400	
M5M44402	MicronTech	MT4C4003	
	NEC	μPD424402	
	Toshiba	TC514402	
M5M44410	Toshiba	TC514410	
M5M4464	GoldStar	GM71C464	
	Krueger	41464-100	
		41464-120	
		41464-150	
	Micro-C	41464	
	MicronTech	MT4067	
	NEC	μPD41464	
	Panasonic	MN41464	
	Vitelic	V53C464	
M5M482128	MicronTech	MT42C8128	
	NEC	μPD42275	
	Samsung	KM428C128	
M5M51000	Samsung	KM681000	
M5M51001	AT&T	ATT7C107	
	MicronTech	MT5C1001	
	NEC	μPD431001	
M5M51004	AT&T	ATT7C106	
	Inova	S256K4	
	MicronTech	MT5C1005	
	NEC	μPD431004	
M5M51008	Inova	S128K8	
	NEC	μPD431000	
	Sony	CXK581000	
		CXK581001	
M5M5110	Inova	S1M1	
M5M5117	GoldStar	GM76C28	
	Harris	HM65162	
	Panasonic	MN4416	
M5M5164	Harris	HM65642	
		HM8808	
M5M5165	Cypress	CY7C186	
	GoldStar	GM76C88	
	IDT	IDT7164	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
		6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
	Micro-C	S8KX8	
	Mosel	MS6264	
	OKI	MSM5165	
	Panasonic	MN4464	
	Samsung	KM6264	
	SGS-Thomson		
		IMS1630	
		MK48H64	
	Sony	CXK5864	
	Toshiba	TC5563	
		TC5565	
	UMC	UM6264	
M5M5165P-70L			
	Krueger	6264LP-070	
M5M5165P70			
	Krueger	6264-070	
M5M5178	AT&T	ATT7C185	
	Cypress	CY7C186	
	IDT	IDT7164	
	Krueger	6264-025	
		6264-035	
		6264-045	
	MicronTech	MT5C6408	
	Mosel	MS6264	
	SGS-Thomson		
		IMS1630	
	Toshiba	TC5588	
	Vitelic	V63C64	
M5M5178-35	Krueger	6264LP-035	
M5M5178-45	Krueger	6264LP-045	
M5M5179	Toshiba	TC5589	
M5M518	Motorola	MCM6287	
M5M5187	AT&T	ATT7C187	
	Cypress	CY7C187	
	IDT	IDT7187	
	Krueger	6287-35	
		6287-45	
		6287-55	
	Micro-C	S8KX8	
	MicronTech	MT5C1608	
		MT5C6401	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M5M5187			(Cont'd)
	SGS-Thomson		
		IMS1600	
	Sony	CXK5164	
	Toshiba	TC5561	
		TC5562	
M5M5188	AT&T	ATT7C164	
	IDT	IDT7188	
	Krueger	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	Micro-C	S16KX4PSC	
	MicronTech	MT5C6404	
	Motorola	MCM6288	
	OKI	MSM5188	
	SGS-Thomson		
		IMS1620	
	Sony	CXK5464	
	Toshiba	TC55416	
M5M5189	AT&T	ATT7C166	
	Krueger	6289-25	
		6289-35	
		6289-45	
	Micro-C	S8KX8	
	MicronTech	MT5C6405	
	Motorola	MCM6290	
	Sony	CXK5465	
	Toshiba	TC55417	
M5M5256	Catalyst		
	Semi	CAT71C256	
	GoldStar	GM76C256	
	Inova	S32K8	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	LogicDev	L7C199	
	Micro-C	S32KX8	
	Mosel	MS62256	
	NEC	μPD43256	
	OKI	MSM51257	
	Panasonic	MN44256	
	SGS-Thomson		
		MK4832	
	Toshiba	TC55257	
	UMC	UM62256	
M5M5257	AT&T	ATT7C197	
	Cypress	CY7C164	
		CY7C197	
	LogicDev	L7C197	
	MicronTech	MT5C2561	
	Motorola	MCM6207	
	Paradigm	PDM41257	
	Sony	CXK51256	
M5M5258	AT&T	ATT7C194	
	Cypress	CY7C194	
	LogicDev	L7C194	
	Micro-C	S64KX4	
	MicronTech	MT5C2564	
	Motorola	MCM6208	
	NEC	μPD43254	
	Paradigm	PDM41258	
	Sony	CXK54256	
	Toshiba	TC55464	
M5M5260	Motorola	MCM6207	
	Paradigm	PDM41257	
M5M5265	Samsung	KM62256	
M5M5517	UMC	UM6116	
M5M58981	Harris	HM6514	
M5M6165	Mosel	MS6264	
M5M80C85A	**Newbridge**	**CA80C85B**	**(3593)**
M5M82C37	Harris	82C37	
	Micro-C	82C37	
M5M82C37A	**Newbridge**	**CA82C37A**	**(3593)**
M5M82C54	Harris	82C54	
	Micro-C	82C54	
	Newbridge	**CA82C54**	**(3593)**
M5M82C55	Harris	82C55	
M5M82C55A	**Newbridge**	**CA82C55A**	**(3593)**
M5M82C59	Harris	82C59	
	Micro-C	82C59	
M5M82C59A	**Newbridge**	**CA82C59A**	**(3593)**
M50554	Samsung	KS5512	
M51166	Samsung	KA22291	
M51207	Panasonic	AN6915	
M51209	Panasonic	AN6918	
M5152	Samsung	KA2221	
M51521	Samsung	KA1222	
		KA22211	
M51544	Samsung	KA22241	
		KA22242	
M51721	Samsung	KA8310	
M5209	NJR	NJM4562	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M5210	NJR	NJM2043	
M5216	**NJR**	**NJM4556**	**(3594)**
M5218	**NJR**	**NJM4558**	**(3594)**
		NJM4560	
		NJM4565	
M5219	NJR	NJM4562	
M5220	NJR	NJM2043	
M5221	NJR	NJM072	
		NJM082	
M5223	**NJR**	**NJM2904**	**(3594)**
M5224	NJR	NJM2902	
		NJM324	
M5226	Samsung	KA2223	
M5228	**NJR**	**NJM2058**	**(3594)**
M5233	NJR	NJM2903	
M5234	NJR	NJM2901	
M5238	**NJR**	**NJM2082**	**(3594)**
M52440	Samsung	KA8311	
M5260	NJR	NJM4560	
		NJM4565	
M54475	GEC Plessey	SP8703	
		SP8704	
M54523	Allegro		
	Micro	ULN2003	
M54524	Allegro		
	Micro	ULN2001	
M54525	Allegro		
	Micro	ULN2002	
M54526	Allegro		
	Micro	ULN2004	
M54532	Allegro		
	Micro	UDN2982	
		ULN2064	
M54562	Allegro		
	Micro	UDN2982	
M54563	Allegro		
	Micro	UDN2981	
M58725	**Krueger**	**2128-100**	**(3548)**
		2128-120	**(3548)**
M6M80021	EXEL	XL90C21	
M6M80041	EXEL	XL90C41	
♦ M74ALS00A	National	DM74ALS00	
	Signetics	74ALS00A	
	TI	SN74ALS00A	
M74ALS02	National	DM74ALS02	
	Signetics	74ALS02	
	TI	SN74ALS02	
M74ALS03B	National	DM74ALS03	
	TI	SN74ALS03B	
M74ALS04B	National	DM74ALS04	
	Signetics	74ALS04B	
	TI	SN74ALS04B	
M74ALS05A	National	DM74ALS05	
	TI	SN74ALS05A	
M74ALS08	National	DM74ALS08	
	Signetics	74ALS08	
	TI	SN74ALS08	
M74ALS09	National	DM74ALS09	
	TI	SN74ALS09A	
M74ALS10A	National	DM74ALS10	
	Signetics	74ALS10A	
	TI	SN74ALS10A	
M74ALS1000A			
	National	DM74ALS1000	
	TI	SN74ALS1000A	
M74ALS1002A			
	National	DM74ALS1002	
	TI	SN74ALS1002A	
M74ALS1003A			
	National	DM74ALS1003	
	TI	SN74ALS1003A	
M74ALS1004	National	DM74ALS1004	
	TI	SN74ALS1004	
M74ALS1005	National	DM74ALS1005	
	TI	SN74ALS1005	
M74ALS1008A			
	National	DM74ALS1008	
	TI	SN74ALS1008A	
M74ALS1010A			
	National	DM74ALS1010	
	TI	SN74ALS1010A	
M74ALS1011A			
	National	DM74ALS1011	
	TI	SN74ALS1011A	
M74ALS1020A			
	National	DM74ALS1020	
	TI	SN74ALS1020A	
M74ALS1032A			
	National	DM74ALS1032	
	TI	SN74ALS1032A	
M74ALS1034	National	DM74ALS1034	
	TI	SN74ALS1034	
M74ALS1035	National	DM74ALS1035	
	TI	SN74ALS1035	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Mitsubishi Electronics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74ALS109A	National	DM74ALS109	
	Signetics	74ALS109A	
	TI	SN74ALS109	
M74ALS11A	National	DM74ALS11	
	Signetics	74ALS11A	
	TI	SN74ALS11A	
M74ALS112A	Signetics	74ALS112A	
	TI	SN74ALS112A	
M74ALS113A	TI	SN74ALS113A	
M74ALS114A	TI	SN74ALS114A	
♦ M74ALS12	Mitsubishi	M74ALS12A	
	National	DM74ALS12	
	TI	SN74ALS12A	
M74ALS12A	National	DM74ALS12	
	TI	SN74ALS12A	
M74ALS1240A			
	National	DM74ALS1240	
	TI	SN74ALS1240	
		SN74ALS1240-1	
M74ALS1241A			
	National	DM74ALS1241	
M74ALS1242A			
	National	DM74ALS1242	
	TI	SN74ALS1242	
		SN74ALS1242-1	
M74ALS1243A			
	National	DM74ALS1243	
M74ALS1244A			
	National	DM74ALS1244	
	TI	SN74ALS1244A	
		SN74ALS1244A-1	
M74ALS1245A			
	TI	SN74ALS1245A	
		SN74ALS1245A-1	
M74ALS131	National	DM74ALS131	
	TI	SN74ALS131	
M74ALS133	National	DM74ALS133	
	TI	SN74ALS133	
M74ALS137	National	DM74ALS137	
	TI	SN74ALS137	
M74ALS138	National	DM74ALS138	
	Signetics	74ALS138	
	TI	SN74ALS138	
M74ALS15A	National	DM74ALS15	
	TI	SN74ALS15A	
M74ALS151	National	DM74ALS151	
	Signetics	74ALS151	
	TI	SN74ALS151	
M74ALS153	National	DM74ALS153	
	Signetics	74ALS153	
	TI	SN74ALS153	
M74ALS157	Signetics	74ALS157	
	TI	SN74ALS157	
M74ALS158	Signetics	74ALS158	
	TI	SN74ALS158	
M74ALS160B	National	DM74ALS160	
	TI	SN74ALS160B	
M74ALS161B	National	DM74ALS161	
	Signetics	74ALS161B	
	TI	SN74ALS161B	
M74ALS162B	National	DM74ALS162	
	TI	SN74ALS162B	
M74ALS163B	National	DM74ALS163	
	Signetics	74ALS163B	
	TI	SN74ALS163B	
M74ALS1640A			
	TI	SN74ALS1640A	
		SN74ALS1640A-1	
M74ALS1645A			
	TI	SN74ALS1645A	
		SN74ALS1645A-1	
M74ALS168B	National	DM74ALS168	
	TI	SN74ALS168B	
M74ALS169B	National	DM74ALS169	
	TI	SN74ALS169B	
M74ALS174	National	DM74ALS174	
	Signetics	74ALS174	
	TI	SN74ALS174	
M74ALS175	National	DM74ALS175	
	Signetics	74ALS175	
	TI	SN74ALS175	
M74ALS190	TI	SN74ALS190	
M74ALS191	Signetics	74ALS191	
	TI	SN74ALS191	
M74ALS192	TI	SN74ALS192	
M74ALS193	Signetics	74ALS193	
	TI	SN74ALS193	
M74ALS20A	National	DM74ALS20	
	Signetics	74ALS20A	
	TI	SN74ALS20A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
M74ALS21A	National	DM74ALS21	
	TI	SN74ALS21A	
M74ALS22B	National	DM74ALS22	
	TI	SN74ALS22B	
M74ALS240	Harris	CD74FCT240	
M74ALS240A	Mitsubishi	M74ALS240A-1	
	National	DM74ALS240	
	Signetics	74ALS240A	
		74ALS240A-1	
	TI	SN74ALS240A	
		SN74ALS240A-1	
M74ALS240A-1			
	Mitsubishi	M74ALS240A	
	National	DM74ALS240	
	Signetics	74ALS240A	
		74ALS240A-1	
	TI	SN74ALS240A	
		SN74ALS240A-1	
M74ALS241	Harris	CD74FCT241	
M74ALS241A	Mitsubishi	M74ALS241A-1	
	National	DM74ALS241	
	Signetics	74ALS241A	
		74ALS241A-1	
	TI	SN74ALS241A	
		SN74ALS241A-1	
M74ALS241A-1			
	Mitsubishi	M74ALS241A	
	National	DM74ALS241	
	Signetics	74ALS241A	
		74ALS241A-1	
	TI	SN74ALS241A	
		SN74ALS241A-1	
M74ALS242A	National	DM74ALS242	
	TI	SN74ALS242B	
		SN74ALS242B-1	
M74ALS243A	National	DM74ALS243	
	TI	SN74ALS243A	
		SN74ALS243A-1	
♦ M74ALS244	Mitsubishi	M74ALS244A	
		M74ALS244A-1	
♦ M74ALS244	National	DM74ALS244	
	Signetics	74ALS244A	
		74ALS244A-1	
♦ M74ALS244	TI	SN74ALS244A	
		SN74ALS244A-1	
♦ M74ALS244	Harris	CD74FCT244	
M74ALS244A	Mitsubishi	M74ALS244A-1	
	National	DM74ALS244	
	Signetics	74ALS244A	
		74ALS244A-1	
	TI	SN74ALS244A	
		SN74ALS244A-1	
M74ALS244A-1			
	Mitsubishi	M74ALS244A	
	National	DM74ALS244	
	Signetics	74ALS244A	
		74ALS244A-1	
	TI	SN74ALS244A	
		SN74ALS244A-1	
M74ALS245	Harris	CD74FCT245	
M74ALS245A	Mitsubishi	M74ALS245A-1	
	National	DM74ALS245	
	Signetics	74ALS245A	
		74ALS245A-1	
	TI	SN74ALS245A	
		SN74ALS245A-1	
M74ALS245A-1			
	Mitsubishi	M74ALS245A	
	National	DM74ALS245	
	Signetics	74ALS245A	
		74ALS245A-1	
	TI	SN74ALS245A	
		SN74ALS245A-1	
M74ALS251	National	DM74ALS251	
	Signetics	74ALS251	
	TI	SN74ALS251	
M74ALS253	National	DM74ALS253	
	Signetics	74ALS253	
	TI	SN74ALS253	
M74ALS257	National	DM74ALS257	
	Signetics	74ALS257	
	TI	SN74ALS257	
M74ALS258	National	DM74ALS258	
	Signetics	74ALS258	
	TI	SN74ALS258	
♦ M74ALS27	National	DM74ALS27	
	Signetics	74ALS27	
	TI	SN74ALS27	
M74ALS273	Harris	CD74FCT273	
	National	DM74ALS273	
	Signetics	74ALS273	
	TI	SN74ALS273	

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Manufacturer Device	Replacement Source	Device	IC Master Page
M74ALS28A	National	DM74ALS28	
	TI	SN74ALS28A	
♦ M74ALS299	TI	SN74ALS299	
M74ALS30A	National	DM74ALS30	
	Signetics	74ALS30A	
	TI	SN74ALS30A	
♦ M74ALS32	National	DM74ALS32	
	Signetics	74ALS32	
	TI	SN74ALS32	
♦ M74ALS323	TI	SN74ALS323	
M74ALS33A	National	DM74ALS33	
	TI	SN74ALS33A	
M74ALS352	National	DM74ALS352	
	TI	SN74ALS352	
M74ALS353	National	DM74ALS353	
	TI	SN74ALS353	
M74ALS37A	National	DM74ALS37	
	TI	SN74ALS37A	
M74ALS373	National	DM74ALS373	
	Signetics	74ALS373	
	TI	SN74ALS373	
M74ALS374	Harris	CD74FCT373	
		CD74FCT374	
	National	DM74ALS374	
	Signetics	74ALS374	
	TI	SN74ALS374	
		SN74ALS374A	
♦ M74ALS377	Signetics	74ALS377	
♦ M74ALS38	Mitsubishi	M74ALS38A	
	National	DM74ALS38	
	Signetics	74ALS38A	
	TI	SN74ALS38A	
M74ALS38A	National	DM74ALS38	
	Signetics	74ALS38A	
	TI	SN74ALS38A	
M74ALS40A	National	DM74ALS40	
	TI	SN74ALS40A	
M74ALS465A	National	DM74ALS465	
	TI	SN74ALS465A	
M74ALS466A	National	DM74ALS466	
	TI	SN74ALS466A	
M74ALS467A	National	DM74ALS467	
	TI	SN74ALS467A	
M74ALS468A	National	DM74ALS468	
	TI	SN74ALS468A	
M74ALS533	Harris	CD74FCT533	
	National	DM74ALS533	
	TI	SN74ALS533	
M74ALS534	Harris	CD74FCT534	
	National	DM74ALS534	
	TI	SN74ALS534	
		SN74ALS534A	
M74ALS560A	TI	SN74ALS560A	
♦ M74ALS561A	TI	SN74ALS561A	
♦ M74ALS563	Mitsubishi	M74ALS563A	
	National	DM74ALS563	
	Signetics	74ALS563A	
	TI	SN74ALS563	
		SN74ALS563A	
♦ M74ALS563	Harris	CD74FCT563	
M74ALS563A	National	DM74ALS563	
	Signetics	74ALS563A	
	TI	SN74ALS563	
		SN74ALS563A	
M74ALS564	Harris	CD74FCT564	
M74ALS564A	National	DM74ALS564	
	Signetics	74ALS564A	
	TI	SN74ALS564	
		SN74ALS564A	
M74ALS568A	TI	SN74ALS568A	
M74ALS569A	TI	SN74ALS569A	
M74ALS573	Harris	CD74FCT573	
M74ALS573B	National	DM74ALS573	
	Signetics	74ALS573B	
	TI	SN74ALS573	
		SN74ALS573B	
M74ALS574	Harris	CD74FCT574	
M74ALS574A	National	DM74ALS574	
	Signetics	74ALS574A	
	TI	SN74ALS574	
		SN74ALS574A	
M74ALS575A	TI	SN74ALS575A	
M74ALS576A	National	DM74ALS576	
	TI	SN74ALS576	
		SN74ALS576A	
M74ALS577A	TI	SN74ALS577A	
M74ALS580A	National	DM74ALS580	
	TI	SN74ALS580	
		SN74ALS580A	
M74ALS620A	Mitsubishi	M74ALS620A-1	
	Signetics	74ALS620A	
		74ALS620A-1	

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Manufacturer Device	Replacement Source	Device	IC Master Page
M74ALS620A			(Cont'd)
	TI	SN74ALS620A	
		SN74ALS620A-1	
M74ALS620A-1			
	Mitsubishi	M74ALS620A	
	Signetics	74ALS620A	
		74ALS620A-1	
	TI	SN74ALS620A	
		SN74ALS620A-1	
M74ALS621A	TI	SN74ALS621A	
		SN74ALS621A-1	
M74ALS622A	TI	SN74ALS622A	
		SN74ALS622A-1	
M74ALS623	Harris	CD74FCT623	
M74ALS623A	Mitsubishi	M74ALS623A-1	
	Signetics	74ALS623A	
		74ALS623A-1	
	TI	SN74ALS623A	
		SN74ALS623A-1	
M74ALS623A-1			
	Mitsubishi	M74ALS623A	
	Signetics	74ALS623A	
		74ALS623A-1	
	TI	SN74ALS623A	
		SN74ALS623A-1	
M74ALS640	Harris	CD74FCT640	
M74ALS640A	Mitsubishi	M74ALS640A-1	
	National	DM74ALS640	
	TI	SN74ALS640A	
		SN74ALS640A-1	
M74ALS640A-1			
	Mitsubishi	M74ALS640A	
	National	DM74ALS640	
	TI	SN74ALS640A	
		SN74ALS640A-1	
M74ALS641A	TI	SN74ALS641A	
		SN74ALS641A-1	
M74ALS642A	TI	SN74ALS642A	
		SN74ALS642A-1	
M74ALS643	Harris	CD74FCT643	
M74ALS643A	TI	SN74ALS643A	
		SN74ALS643A-1	
M74ALS644A	TI	SN74ALS644A	
		SN74ALS644A-1	
M74ALS645A	Mitsubishi	M74ALS645A-1	
	National	DM74ALS645	
	Signetics	74ALS645A	
		74ALS645A-1	
	TI	SN74ALS645A	
		SN74ALS645A-1	
M74ALS645A-1			
	Mitsubishi	M74ALS645A	
	National	DM74ALS645	
	Signetics	74ALS645A	
		74ALS645A-1	
	TI	SN74ALS645A	
		SN74ALS645A-1	
M74ALS646	Harris	CD74FCT646	
	Signetics	74ALS646	
		74ALS646-1	
	TI	SN74ALS646	
		SN74ALS646-1	
M74ALS647	Harris	CD74FCT647	
	TI	SN74ALS647	
		SN74ALS647-1	
M74ALS648	Harris	CD74FCT648	
	National	DM74ALS648	
		DM74ALS648-1	
	Signetics	74ALS648	
		74ALS648-1	
	TI	SN74ALS648	
		SN74ALS648-1	
M74ALS649	Harris	CD74FCT649	
	TI	SN74ALS649	
		SN74ALS649-1	
M74ALS651	Harris	CD74FCT651	
	National	DM74ALS651	
	Signetics	74ALS651	
		74ALS651-1	
	TI	SN74ALS651	
		SN74ALS651-1	
M74ALS652	Harris	CD74FCT652	
	Signetics	74ALS652	
		74ALS652-1	
	TI	SN74ALS652	
		SN74ALS652-1	
M74ALS74A	National	DM74ALS74	
	Signetics	74ALS74A	
	TI	SN74ALS74A	
M74ALS873B	National	DM74ALS873	
	TI	SN74ALS873B	
M74ALS874B	National	DM74ALS874	
	TI	SN74ALS874B	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
M74ALS876A	National	DM74ALS876	
	TI	SN74ALS876A	
M74ALS878A	TI	SN74ALS878A	
M74ALS879A	TI	SN74ALS879A	
M74ALS880A	National	DM74ALS880	
	TI	SN74ALS880A	
M74F00	Motorola	MC74F00	
	National	74F00	
	Signetics	74F00	
	TI	SN74F00	
M74F02	Motorola	MC74F02	
	National	74F02	
	Signetics	74F02	
	TI	SN74F02	
M74F04	Motorola	MC74F04	
	National	74F04	
	Signetics	74F04	
	TI	SN74F04	
M74F08	Motorola	MC74F08	
	National	74F08	
	Signetics	74F08	
	TI	SN74F08	
M74F10	Motorola	MC74F10	
	National	74F10	
	Signetics	74F10	
	TI	SN74F10	
M74F109	Motorola	MC74F109	
	National	74F109	
	Signetics	74F109	
	TI	SN74F109	
M74F11	Motorola	MC74F11	
	National	74F11	
	Signetics	74F11	
	TI	SN74F11	
M74F112	Motorola	MC74F112	
	National	74F112	
	Signetics	74F112	
	TI	SN74F112	
M74F125	Motorola	MC74F125	
	National	74F125	
	Signetics	74F125	
	TI	SN74F125	
M74F138	Motorola	MC74F138	
	National	74F138	
	Signetics	74F138	
	TI	SN74F138	
M74F139	Motorola	MC74F139	
	National	74F139	
	Signetics	74F139	
M74F14	Motorola	MC74F14	
	National	74F14	
	Signetics	74F14	
M74F151A	Motorola	MC74F151	
	National	74F151	
	Signetics	N74F151	
		N74F151A	
		74F151	
	TI	SN74F151	
		SN74F151A	
M74F153	Motorola	MC74F153	
	National	74F153	
	Signetics	74F153	
	TI	SN74F153	
M74F157A	Motorola	MC74F157	
		MC74F157A	
	National	74F157	
	Signetics	74F157	
	TI	SN74F157A	
M74F158A	Motorola	MC74F158	
		MC74F158A	
	National	74F158	
	Signetics	N74F158A	
		74F158	
	TI	SN74F158A	
M74F161A	Motorola	MC74F161A	
	National	74F161A	
	Signetics	74F161A	
	TI	SN74F161A	
M74F163A	Motorola	MC74F163A	
	National	74F163A	
	Signetics	74F163A	
	TI	SN74F163A	
M74F164	Motorola	MC74F164	
	National	74F164	
		74F164A	
	Signetics	74F164	
M74F169	Motorola	MC74F169	
	National	74F169	
	Signetics	74F169	
	TI	SN74F169	
M74F174	Motorola	MC74F174	
	National	74F174	
	Signetics	74F174	
	TI	SN74F174	
M74F175	Motorola	MC74F175	
	National	74F175	
	Signetics	74F175	
	TI	SN74F175	
M74F20	Motorola	MC74F20	
	National	74F20	
	Signetics	74F20	
	TI	SN74F20	
M74F240	Harris	CD74FCT240	
	Motorola	MC74F240	
	National	74F240	
	Signetics	74F240	
	TI	SN74F240	
M74F241	Harris	CD74FCT241	
	Motorola	MC74F241	
	National	74F241	
	Signetics	74F241	
	TI	SN74F241	
M74F244	Harris	CD74FCT244	
	Motorola	MC74F244	
	National	74F244	
	Signetics	74F244	
	TI	SN74F244	
M74F245	Harris	CD74FCT245	
	Motorola	MC74F245	
	National	74F245	
	Signetics	74F245	
	TI	SN74F245	
M74F251A	Motorola	MC74F251	
	National	74F251	
	Signetics	N74F251A	
		74F251	
	TI	SN74F251	
		SN74F251A	
M74F253	Motorola	MC74F253	
	National	74F253	
	Signetics	74F253	
	TI	SN74F253	
M74F257A	Motorola	MC74F257	
		MC74F257A	
	National	74F257	
	Signetics	N74F257A	
		74F257	
	TI	SN74F257	
M74F258A	Motorola	MC74F258	
		MC74F258A	
	National	74F258	
	Signetics	N74F258A	
		74F258	
	TI	SN74F258	
M74F280	Motorola	MC74F280	
	National	74F280	
	Signetics	74F280A	
		74F280B	
	TI	SN74F280A	
M74F283	Motorola	MC74F283	
	National	74F283	
	Signetics	74F283	
	TI	SN74F283	
M74F30	National	74F30	
	Signetics	74F30	
	TI	SN74F30	
M74F32	Motorola	MC74F32	
	National	74F32	
	Signetics	74F32	
	TI	SN74F32	
M74F352	Motorola	MC74F352	
	National	74F352	
	Signetics	74F352	
	TI	SN74F352	
M74F353	Motorola	MC74F353	
	National	74F353	
	Signetics	74F353	
	TI	SN74F353	
M74F373	Harris	CD74FCT373	
	Motorola	MC74F373	
	National	74F373	
	Signetics	74F373	
	TI	SN74F373	
M74F374	Harris	CD74FCT374	
	Motorola	MC74F374	
	National	74F374	
	Signetics	74F374	
	TI	SN74F374	
M74F521	Motorola	MC74F521	
	National	74F521	
	Signetics	74F521	
	TI	SN74F521	
M74F543	Harris	CD74FCT543	
	Motorola	MC74F543	
	National	74F543	
	Signetics	74F543	
	TI	SN74F543	
M74F573	Harris	CD74FCT573	
	National	74F573	
	Signetics	74F573	
	TI	SN74F573	
M74F574	Harris	CD74FCT574	
	National	74F574	
	Signetics	N74F574	
	TI	SN74F574	
M74F646	Harris	CD74FCT646	
	National	74F646	
	Signetics	N74F646A	
		74F646	**(3655)**
		74F646A	**(3655)**
	TI	SN74F646	
M74F648	Harris	CD74FCT648	
	National	74F648	
	Signetics	N74F648A	
		74F648	**(3655)**
		74F648A	**(3655)**
M74F74	Motorola	MC74F74	
	National	74F74	
	Signetics	74F74	
	TI	SN74F74	
M74F821	Harris	CD74FCT821	
	National	74F821	
	Signetics	N74F821	
		74F821	
M74F823	Harris	CD74FCT823	
	National	74F823	
	Signetics	N74F823	
		74F823	
M74F825	National	74F825	
	Signetics	N74F825	
		74F825	
M74F841	Harris	CD74FCT841	
	National	74F841	
	Signetics	N74F841	
		74F841	
M74F843	Harris	CD74FCT843	
	National	74F843	
	Signetics	N74F843	
		74F843	
M74F845	National	74F845	
	Signetics	N74F845	
		74F845	
M74F86	Motorola	MC74F86	
	National	74F86	
	Signetics	74F86	
	TI	SN74F86	
M74HCT00	GoldStar	GD74HCT00	
	Harris	CD74HCT00	
	Motorola	MC74HCT00A	
	National	MM74HCT00	
	Signetics	74HCT00	
	TI	SN74HCT00	
	Toshiba	TC74HCT00A	
M74HCT138-1			
	GEC Plessey	MV74HCT138	
		74HCT138	
	Harris	CD74HCT138	
	Hitachi	HD74HCT138	
	Motorola	MC74HCT138A	
	National	MM74HCT138	
	SGS-Thomson		
		M74HCT138	
	Signetics	74HCT138	
	TI	SN74HCT138	
	Toshiba	TC74HCT138A	
M74HCT139-1			
	GEC Plessey	MV74HCT139	
		74HCT139	
	Harris	CD74HCT139	
	National	MM74HCT139	
	Signetics	74HCT139	
	TI	SN74HCT139	
	Toshiba	TC74HCT139A	
M74HCT240	GEC Plessey	MV74HCT240	
		74HCT240	
	Harris	CD74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240-1	
	Motorola	MC74HCT240A	
	National	MM74HCT240	
	SGS-Thomson		
		M74HCT240	
	Signetics	74HCT240	
	TI	SN74HCT240	
	Toshiba	TC74HCT240A	
M74HCT240-1			
	GEC Plessey	MV74HCT240	
		74HCT240	
	Harris	CD74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240	
	Motorola	MC74HCT240A	
	National	MM74HCT240	
	SGS-Thomson		
		M74HCT240	
	Signetics	74HCT240	
	TI	SN74HCT240	
	Toshiba	TC74HCT240A	
M74HCT241	GEC Plessey	MV74HCT241	
		74HCT241	
	Harris	CD74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241-1	
	Motorola	MC74HCT241A	
	National	MM74HCT241	
	SGS-Thomson		
		M74HCT241	
	Signetics	74HCT241	
	TI	SN74HCT241	
	Toshiba	TC74HCT241A	
M74HCT241-1			
	GEC Plessey	MV74HCT241	
		74HCT241	
	Harris	CD74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241	
	Motorola	MC74HCT241A	
	National	MM74HCT241	
	SGS-Thomson		
		M74HCT241	
	Signetics	74HCT241	
	TI	SN74HCT241	
	Toshiba	TC74HCT241A	
M74HCT244	GEC Plessey	MV74HCT244	
		74HCT244	
	Harris	CD74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244-1	
	Motorola	MC74HCT244A	
	National	MM74HCT244	
	SGS-Thomson		
		M74HCT244	
	Signetics	74HCT244	
	TI	SN74HCT244	
	Toshiba	TC74HCT244A	
M74HCT244-1			
	GEC Plessey	MV74HCT244	
		74HCT244	
	Harris	CD74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244	
	Motorola	MC74HCT244A	
	National	MM74HCT244	
	SGS-Thomson		
		M74HCT244	
	Signetics	74HCT244	
	TI	SN74HCT244	
	Toshiba	TC74HCT244A	
M74HCT245-1			
	GEC Plessey	MV74HCT245	
		74HCT245	
	Harris	CD74HCT245	
	Hitachi	HD74HCT245	
	Motorola	MC74HCT245A	
	National	MM74HCT245	
	SGS-Thomson		
		M74HCT245	
	Signetics	74HCT245	
	TI	SN74HCT245	
	Toshiba	TC74HCT245A	
M74HCT273-1			
	GoldStar	GD74HCT273	
	Harris	CD74HCT273	
	Motorola	MC74HCT273A	
	National	MM74HCT273	
	Signetics	74HCT273	
	Toshiba	TC74HCT273A	
M74HCT373-1			
	GEC Plessey	MV74HCT373	
		74HCT373	
	GoldStar	GD74HCT373	
	Harris	CD74HCT373	
	Hitachi	HD74HCT373	
	Motorola	MC74HCT373A	
	National	MM74HCT373	
	SGS-Thomson		
		M74HCT373	
	Signetics	74HCT373	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Mitsubishi Electronics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HCT373-1			(Cont'd)
	TI	SN74HCT373	
	Toshiba	TC74HCT373A	
M74HCT374-1			
	GEC Plessey	MV74HCT374	
		74HCT374	
	GoldStar	GD74HCT374	
	Harris	CD74HCT374	
	Hitachi	HD74HCT374	
	Motorola	MC74HCT374A	
	National	MM74HCT374	
	SGS-Thomson		
		M74HCT374	
	Signetics	74HCT374	
	TI	SN74HCT374	
	Toshiba	TC74HCT374A	
M74HCT533-1			
	GEC Plessey	MV74HCT533	
		74HCT533	
	Harris	CD74HCT533	
	Hitachi	HD74HCT533	
	Motorola	MC74HCT533A	
	National	MM74HCT533	
	SGS-Thomson		
		M74HCT533	
	Signetics	74HCT533	
	TI	SN74HCT533	
	Toshiba	TC74HCT533A	
M74HCT534-1			
	GEC Plessey	MV74HCT534	
		74HCT534	
	Harris	CD74HCT534	
	Hitachi	HD74HCT534	
	Motorola	MC74HCT534A	
	National	MM74HCT534	
	SGS-Thomson		
		M74HCT534	
	Signetics	74HCT534	
	TI	SN74HCT534	
	Toshiba	TC74HCT534A	
M74HCT640-1			
	Harris	CD74HCT640	
	Motorola	MC74HCT640A	
	National	MM74HCT640	
	SGS-Thomson		
		M74HCT640	
	Signetics	74HCT640	
	TI	SN74HCT640	
	Toshiba	TC74HCT640A	
	Universal	US74HCT640	
M74HCT643-1			
	Harris	CD74HCT643	
	National	MM74HCT643	
	SGS-Thomson		
		M74HCT643	
	Signetics	74HCT643	
	TI	SN74HCT643	
	Toshiba	TC74HCT643A	
M74HCT645-1			
	TI	SN74HCT645	
♦ M74HC00	GoldStar	GD74HC00	
	Harris	CD74HC00	
	Hitachi	HD74HC00	
	Motorola	MC74HC00A	
	National	MM74HC00	
	NJR	NJU74HC00	
	SGS-Thomson		
		M74HC00	
	Sharp	LR74HC00	
	Signetics	74HC00	
	TI	SN74HC00	
	Toshiba	TC74HC00A	
♦ M74HC02	GoldStar	GD74HC02	
	Harris	CD74HC02	
	Hitachi	HD74HC02	
	Motorola	MC74HC02A	
	National	MM74HC02	
	NJR	NJU74HC02	
	SGS-Thomson		
		M74HC02	
	Sharp	LR74HC02	
	Signetics	74HC02	
	TI	SN74HC02	
	Toshiba	TC74HC02A	
♦ M74HC03	Harris	CD74HC03	
	Motorola	MC74HC03A	
	National	MM74HC03	
	NJR	NJU74HC03	
	SGS-Thomson		
		M74HC03	
	Sharp	LR74HC03	
	Signetics	74HC03	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ M74HC03			(Cont'd)
	TI	SN74HC03	
	Toshiba	TC74HC03A	
♦ M74HC04	Harris	CD74HC04	
	Hitachi	HD74HC04	
	Motorola	MC74HC04A	
	National	MM74HC04	
	NJR	NJU74HC04	
	SGS-Thomson		
		M74HC04	
	Sharp	LR74HC04	
	Signetics	74HC04	
	TI	SN74HC04	
	Toshiba	TC74HC04A	
♦ M74HC05	National	MM74HC05	
	NJR	NJU74HC05	
	TI	SN74HC05	
♦ M74HC08	Harris	CD74HC08	
	Hitachi	HD74HC08	
	Motorola	MC74HC08A	
	National	MM74HC08	
	NJR	NJU74HC08	
	SGS-Thomson		
		M74HC08	
	Sharp	LR74HC08	
	Signetics	74HC08	
	TI	SN74HC08	
	Toshiba	TC74HC08A	
M74HC09	Hitachi	HD74HC09	
	NJR	NJU74HC09	
	TI	SN74HC09	
	Toshiba	TC74HC09A	
♦ M74HC10	Harris	CD74HC10	
	Hitachi	HD74HC10	
	Motorola	MC74HC10	
	National	MM74HC10	
	NJR	NJU74HC10	
	SGS-Thomson		
		M74HC10	
	Sharp	LR74HC10	
	Signetics	74HC10	
	TI	SN74HC10	
	Toshiba	TC74HC10A	
♦ M74HC107	Harris	CD74HC107	
	Hitachi	HD74HC107	
	Motorola	MC74HC107	
	National	MM74HC107	
	SGS-Thomson		
		M74HC107	
	Sharp	LR74HC107	
	Signetics	74HC107	
	TI	SN74HC107	
	Toshiba	TC74HC107A	
♦ M74HC109	Harris	CD74HC109	
	Hitachi	HD74HC109	
	Motorola	MC74HC109	
	National	MM74HC109	
	NJR	NJU74HC109	
	SGS-Thomson		
		M74HC109	
	Sharp	LR74HC109	
	Signetics	74HC109	
	TI	SN74HC109	
	Toshiba	TC74HC109A	
♦ M74HC11	Harris	CD74HC11	
	Hitachi	HD74HC11	
	Motorola	MC74HC11	
	National	MM74HC11	
	NJR	NJU74HC11	
	SGS-Thomson		
		M74HC11	
	Sharp	LR74HC11	
	Signetics	74HC11	
	TI	SN74HC11	
	Toshiba	TC74HC11A	
♦ M74HC112	Harris	CD74HC112	
	Hitachi	HD74HC112	
	Motorola	MC74HC112	
	National	MM74HC112	
	NJR	NJU74HC112	
	SGS-Thomson		
		M74HC112	
	Sharp	LR74HC112	
	Signetics	74HC112	
	TI	SN74HC112	
	Toshiba	TC74HC112A	
M74HC113	Hitachi	HD74HC113	
	Motorola	MC74HC113	
	National	MM74HC113	
	NJR	NJU74HC113	
	SGS-Thomson		
		M74HC113	
	Sharp	LR74HC113	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC113			(Cont'd)
	TI	SN74HC113	
	Toshiba	TC74HC113A	
M74HC114	Hitachi	HD74HC114	
	NJR	NJU74HC114	
	TI	SN74HC114	
♦ M74HC123	Harris	CD74HC123	
	Hitachi	HD74HC123	
	Mitsubishi	M74HC123A	
	National	MM74HC123	
		MM74HC123A	
♦ M74HC123	NJR	NJU74HC123	
	SGS-Thomson		
		M74HC123	
		M74HC123A	
♦ M74HC123	Signetics	74HC123	
	Toshiba	TC74HC123	
		TC74HC123A	
M74HC123A	Harris	CD74HC123	
	Hitachi	HD74HC123	
	National	MM74HC123	
		MM74HC123A	
	NJR	NJU74HC123	
	SGS-Thomson		
		M74HC123	
		M74HC123A	
	Signetics	74HC123	
	Toshiba	TC74HC123	
		TC74HC123A	
♦ M74HC125	Harris	CD74HC125	
	Hitachi	HD74HC125	
	Motorola	MC74HC125A	
	National	MM74HC125	
	SGS-Thomson		
		M74HC125	
	Signetics	74HC125	
	TI	SN74HC125	
	Toshiba	TC74HC125A	
♦ M74HC126	Harris	CD74HC126	
	Hitachi	HD74HC126	
	Motorola	MC74HC126A	
	National	MM74HC126	
	SGS-Thomson		
		M74HC126	
	Signetics	74HC126	
	TI	SN74HC126	
	Toshiba	TC74HC126A	
♦ M74HC132	Harris	CD74HC132	
	Hitachi	HD74HC132	
	Motorola	MC74HC132A	
	National	MM74HC132	
	NJR	NJU74HC132	
	SGS-Thomson		
		M74HC132	
	Sharp	LR74HC132	
	Signetics	74HC132	
	TI	SN74HC132	
	Toshiba	TC74HC132A	
♦ M74HC133	Hitachi	HD74HC133	
	Motorola	MC74HC133	
	National	MM74HC133	
	SGS-Thomson		
		M74HC133	
	TI	SN74HC133	
	Toshiba	TC74HC133A	
M74HC137	Harris	CD74HC137	
	Hitachi	HD74HC137	
	Motorola	MC74HC137	
	National	MM74HC137	
	NJR	NJU74HC137	
	SGS-Thomson		
		M74HC137	
	Sharp	LR74HC137	
	Signetics	74HC137	
	TI	SN74HC137	
	Toshiba	TC74HC137A	
♦ M74HC138	Harris	CD74HC138	
	Hitachi	HD74HC138	
	Mitsubishi	M74HC138-1	
	Motorola	MC74HC138A	
	National	MM74HC138	
	NJR	NJU74HC138	
	SGS-Thomson		
		M74HC138	
	Sharp	LR74HC138	
	Signetics	74HC138	
	TI	SN74HC138	
	Toshiba	TC74HC138A	
M74HC138-1	Harris	CD74HC138	
	Hitachi	HD74HC138	
	Motorola	MC74HC138A	
	National	MM74HC138	
	NJR	NJU74HC138	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC138-1			(Cont'd)
	SGS-Thomson		
		M74HC138	
	Sharp	LR74HC138	
	Signetics	74HC138	
	TI	SN74HC138	
	Toshiba	TC74HC138A	
♦ M74HC139	Harris	CD74HC139	
	Hitachi	HD74HC139	
	Mitsubishi	M74HC139-1	
	Motorola	MC74HC139A	
	National	MM74HC139	
	NJR	NJU74HC139	
	SGS-Thomson		
		M74HC139	
	Sharp	LR74HC139	
	Signetics	74HC139	
	TI	SN74HC139	
	Toshiba	*TC74HC139A*	
M74HC139-1	Harris	CD74HC139	
	Hitachi	HD74HC139	
	Motorola	MC74HC139A	
	National	MM74HC139	
	NJR	NJU74HC139	
	SGS-Thomson		
		M74HC139	
	Sharp	LR74HC139	
	Signetics	74HC139	
	TI	SN74HC139	
	Toshiba	TC74HC139A	
M74HC14	Harris	CD74HC14	
	Hitachi	HD74HC14	
	Motorola	MC74HC14A	
	National	MM74HC14	
	NJR	NJU74HC14	
	SGS-Thomson		
		M74HC14	
	Sharp	LR74HC14	
	Signetics	74HC14	
	TI	SN74HC14	
	Toshiba	TC74HC14A	
♦ M74HC147	Harris	CD74HC147	
	Hitachi	HD74HC147	
	Motorola	MC74HC147	
	National	MM74HC147	
	SGS-Thomson		
		M74HC147	
	Sharp	LR74HC147	
	Signetics	74HC147	
	TI	SN74HC147	
	Toshiba	TC74HC147A	
♦ M74HC148	Hitachi	HD74HC148	
	National	MM74HC148	
	SGS-Thomson		
		M74HC148	
	TI	SN74HC148	
	Toshiba	TC74HC148A	
♦ M74HC151	Harris	CD74HC151	
	Hitachi	HD74HC151	
	Motorola	MC74HC151	
	National	MM74HC151	
	NJR	NJU74HC151	
	SGS-Thomson		
		M74HC151	
	Sharp	LR74HC151	
	Signetics	74HC151	
	TI	SN74HC151	
	Toshiba	TC74HC151A	
♦ M74HC153	Harris	CD74HC153	
	Hitachi	HD74HC153	
	Motorola	MC74HC153	
	National	MM74HC153	
	NJR	NJU74HC153	
	SGS-Thomson		
		M74HC153	
	Sharp	LR74HC153	
	Signetics	74HC153	
	TI	SN74HC153	
	Toshiba	TC74HC153A	
	Universal	US74HC153	
♦ M74HC154	Harris	CD74HC154	
	Hitachi	HD74HC154	
	Motorola	MC74HC154	
	National	MM74HC154	
	SGS-Thomson		
		M74HC154	
	Signetics	74HC154	
	TI	SN74HC154	
	Toshiba	TC74HC154A	
	Universal	US74HC154	
M74HC155	Hitachi	HD74HC155	
	National	MM74HC155	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Mitsubishi Electronics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC155			(Cont'd)
	SGS-Thomson		
		M74HC155	
	Toshiba	TC74HC155A	
♦ M74HC157	Harris	CD74HC157	
	Hitachi	HD74HC157	
	Motorola	MC74HC157A	
	National	MM74HC157	
	SGS-Thomson		
		M74HC157	
	Sharp	LR74HC157	
	Signetics	74HC157	
	TI	SN74HC157	
	Toshiba	TC74HC157A	
	Universal	US74HC157	
♦ M74HC158	Harris	CD74HC158	
	Hitachi	HD74HC158	
	National	MM74HC158	
	SGS-Thomson		
		M74HC158	
	Sharp	LR74HC158	
	Signetics	74HC158	
	TI	SN74HC158	
	Toshiba	TC74HC158A	
	Universal	US74HC158	
M74HC160	Harris	CD74HC160	
	Hitachi	HD74HC160	
	Motorola	MC74HC160	
	National	MM74HC160	
	NJR	NJU74HC160	
	SGS-Thomson		
		M74HC160	
	Sharp	LR74HC160	
	Signetics	74HC160	
	TI	SN74HC160	
	Toshiba	TC74HC160A	
	Universal	US74HC160	
♦ M74HC161	Harris	CD74HC161	
	Hitachi	HD74HC161	
	National	MM74HC161	
	NJR	NJU74HC161	
	SGS-Thomson		
		M74HC161	
	Sharp	LR74HC161	
	Signetics	74HC161	
	TI	SN74HC161	
	Toshiba	TC74HC161A	
	Universal	US74HC161	
M74HC162	Harris	CD74HC162	
	Hitachi	HD74HC162	
	Motorola	MC74HC162	
	National	MM74HC162	
	NJR	NJU74HC162	
	SGS-Thomson		
		M74HC162	
	Sharp	LR74HC162	
	Signetics	74HC162	
	TI	SN74HC162	
	Toshiba	TC74HC162A	
	Universal	US74HC162	
♦ M74HC163	Harris	CD74HC163	
	Hitachi	HD74HC163	
	National	MM74HC163	
	NJR	NJU74HC163	
	Panasonic	MN74HC163	
	SGS-Thomson		
		M74HC163	
	Sharp	LR74HC163	
	Signetics	74HC163	
	TI	SN74HC163	
	Toshiba	TC74HC163A	
	Universal	US74HC163	
♦ M74HC164	Harris	CD74HC164	
	Hitachi	HD74HC164	
	Motorola	MC74HC164	
	National	MM74HC164	
	NJR	NJU74HC164	
	SGS-Thomson		
		M74HC164	
	Sharp	LR74HC164	
	Signetics	74HC164	
	TI	SN74HC164	
	Toshiba	TC74HC164A	
	Universal	US74HC164	
♦ M74HC165	Harris	CD74HC165	
	Hitachi	HD74HC165	
	Motorola	MC74HC165	
	National	MM74HC165	
	NJR	NJU74HC165	
	SGS-Thomson		
		M74HC165	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ M74HC165			(Cont'd)
	Sharp	LR74HC165	
	Signetics	74HC165	
	TI	SN74HC165	
	Toshiba	TC74HC165A	
	Universal	US74HC165	
♦ M74HC166	Harris	CD74HC166	
	Hitachi	HD74HC166	
	National	MM74HC166	
	NJR	NJU74HC166	
	SGS-Thomson		
		M74HC166	
	Signetics	74HC166	
	TI	SN74HC166	
	Toshiba	TC74HC166A	
♦ M74HC173	Harris	CD74HC173	
	Hitachi	HD74HC173	
	Motorola	MC74HC173	
	National	MM74HC173	
	SGS-Thomson		
		M74HC173	
	Sharp	LR74HC173	
	Signetics	74HC173	
	TI	SN74HC173	
	Toshiba	TC74HC173A	
	Universal	US74HC173	
♦ M74HC174	Harris	CD74HC174	
	Hitachi	HD74HC174	
	Motorola	MC74HC174A	
	National	MM74HC174	
	NJR	NJU74HC174	
	SGS-Thomson		
		M74HC174	
	Sharp	LR74HC174	
	Signetics	74HC174	
	TI	SN74HC174	
	Toshiba	TC74HC174A	
	Universal	US74HC174	
♦ M74HC175	Harris	CD74HC175	
	Hitachi	HD74HC175	
	Motorola	MC74HC175	
	National	MM74HC175	
	NJR	NJU74HC175	
	SGS-Thomson		
		M74HC175	
	Sharp	LR74HC175	
	Signetics	74HC175	
	TI	SN74HC175	
	Toshiba	TC74HC175A	
	Universal	US74HC175	
M74HC191	GoldStar	GD74HC191	
	Harris	CD74HC191	
	Hitachi	HD74HC191	
	National	MM74HC191	
	SGS-Thomson		
		M74HC191	
	Signetics	74HC191	
	TI	SN74HC191	
	Toshiba	TC74HC191A	
	Universal	US74HC191	
M74HC192	Harris	CD74HC192	
	Hitachi	HD74HC192	
	National	MM74HC192	
	NJR	NJU74HC192	
	SGS-Thomson		
		M74HC192	
	Signetics	74HC192	
	TI	SN74HC192	
	Toshiba	TC74HC192A	
	Universal	US74HC192	
M74HC193	Harris	CD74HC193	
	Hitachi	HD74HC193	
	National	MM74HC193	
	SGS-Thomson		
		M74HC193	
	Signetics	74HC193	
	TI	SN74HC193	
	Toshiba	TC74HC193A	
	Universal	US74HC193	
M74HC194	Harris	CD74HC194	
	Hitachi	HD74HC194	
	Motorola	MC74HC194	
	National	MM74HC194	
	NJR	NJU74HC194	
	SGS-Thomson		
		M74HC194	
	Sharp	LR74HC194	
	Signetics	74HC194	
	TI	SN74HC194	
	Toshiba	TC74HC194A	
	Universal	US74HC194	
M74HC195	Harris	CD74HC195	
	Hitachi	HD74HC195	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC195			(Cont'd)
	Motorola	MC74HC195	
	National	MM74HC195	
	NJR	NJU74HC195	
	SGS-Thomson		
		M74HC195	
	Sharp	LR74HC195	
	Signetics	74HC195	
	TI	SN74HC195	
	Toshiba	TC74HC195A	
	Universal	US74HC195	
M74HC20	Harris	CD74HC20	
	Hitachi	HD74HC20	
	Motorola	MC74HC20	
	National	MM74HC20	
	NJR	NJU74HC20	
	SGS-Thomson		
		M74HC20	
	Sharp	LR74HC20	
	Signetics	74HC20	
	TI	SN74HC20	
	Toshiba	TC74HC20A	
	Universal	US74HC20	
M74HC237	Harris	CD74HC237	
	Hitachi	HD74HC237	
	Motorola	MC74HC237	
	National	MM74HC237	
	NJR	NJU74HC237	
	SGS-Thomson		
		M74HC237	
	Signetics	74HC237	
	TI	SN74HC237	
	Toshiba	TC74HC237A	
M74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240-1	
	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson		
		M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
M74HC240-1	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson		
		M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
M74HC241	Harris	CD74HC241	
	Hitachi	HD74HC241	
	Motorola	MC74HC241A	
	National	MM74HC241	
	NJR	NJU74HC241	
	SGS-Thomson		
		M74HC241	
		M74HC241HV	
	Sharp	LR74HC241	
	Signetics	74HC241	
	TI	SN74HC241	
	Toshiba	TC74HC241A	
M74HC242	Harris	CD74HC242	
	Hitachi	HD74HC242	
	Motorola	MC74HC242	
	National	MM74HC242	
	SGS-Thomson		
		M74HC242	
	Sharp	LR74HC242	
	Signetics	74HC242	
	TI	SN74HC242	
	Toshiba	TC74HC242A	
M74HC243	Harris	CD74HC243	
	National	MM74HC243	
	SGS-Thomson		
		M74HC243	
	Sharp	LR74HC243	
	Signetics	74HC243	
	TI	SN74HC243	
	Toshiba	TC74HC243A	
M74HC244	GoldStar	GD74HC244	
	Harris	CD74HC244	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC244			(Cont'd)
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244-1	
	Motorola	MC74HC244A	
	National	MM74HC244	
	NJR	NJU74HC244	
	SGS-Thomson		
		M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
M74HC244-1	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
	Motorola	MC74HC244A	
	National	MM74HC244	
	NJR	NJU74HC244	
	SGS-Thomson		
		M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
M74HC245	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245-1	
	National	MM74HC245	
		MM74HC245A	
	NJR	NJU74HC245	
	SGS-Thomson		
		M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
M74HC245-1	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
	National	MM74HC245	
		MM74HC245A	
	NJR	NJU74HC245	
	SGS-Thomson		
		M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
M74HC251	Harris	CD74HC251	
	Hitachi	HD74HC251	
	Motorola	MC74HC251	
	National	MM74HC251	
	SGS-Thomson		
		M74HC251	
	Sharp	LR74HC251	
	Signetics	74HC251	
	TI	SN74HC251	
	Toshiba	TC74HC251A	
M74HC253	Harris	CD74HC253	
	Hitachi	HD74HC253	
	Motorola	MC74HC253	
	National	MM74HC253	
	NJR	NJU74HC253	
	SGS-Thomson		
		M74HC253	
	Sharp	LR74HC253	
	Signetics	PC74HC253	
	TI	SN74HC253	
	Toshiba	TC74HC253	
M74HC257	Harris	CD74HC257	
	Hitachi	HD74HC257	
	Motorola	MC74HC257	
	National	MM74HC257	
	SGS-Thomson		
		M74HC257	
	Sharp	LR74HC257	
	Signetics	74HC257	
	TI	SN74HC257	
	Toshiba	TC74HC257A	
M74HC259	Harris	CD74HC259	
	Hitachi	HD74HC259	
	Motorola	MC74HC259	
	National	MM74HC259	
	NJR	NJU74HC259	
	SGS-Thomson		
		M74HC259	
	Sharp	LR74HC259	
	Signetics	74HC259	
	TI	SN74HC259	
	Toshiba	TC74HC259A	

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Mitsubishi Electronics (Cont'd)

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
M74HC266	Mitsubishi	M74HC266A	
	National	MM74HC266	
	NJR	NJU74HC266	
	SGS-Thomson	M74HC266	
	Sharp	LR74HC266	
	TI	SN74HC266	
M74HC266A	Mitsubishi	M74HC266	
	National	MM74HC266	
	NJR	NJU74HC266	
	SGS-Thomson	M74HC266	
	Sharp	LR74HC266	
	TI	SN74HC266	
M74HC27	Harris	CD74HC27	
	Hitachi	HD74HC27	
	Motorola	MC74HC27	
	National	MM74HC27	
	NJR	NJU74HC27	
	SGS-Thomson	M74HC27	
	Sharp	LR74HC27	
	Signetics	74HC27	
	TI	SN74HC27	
	Toshiba	TC74HC27A	
M74HC273	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273-1	
	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson	M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
M74HC273-1	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson	M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
M74HC280	Harris	CD74HC280	
	Hitachi	HD74HC280	
	Motorola	MC74HC280	
	National	MM74HC280	
	SGS-Thomson	M74HC280	
	Sharp	LR74HC280	
	Signetics	74HC280	
	TI	SN74HC280	
	Toshiba	TC74HC280A	
M74HC283	Harris	CD74HC283	
	National	MM74HC283	
	SGS-Thomson	M74HC283	
	Signetics	74HC283	
	TI	SN74HC283	
	Toshiba	TC74HC283A	
M74HC30	Harris	CD74HC30	
	Hitachi	HD74HC30	
	Motorola	MC74HC30	
	National	MM74HC30	
	SGS-Thomson	M74HC30	
	Sharp	LR74HC30	
	Signetics	74HC30	
	TI	SN74HC30	
	Toshiba	TC74HC30A	
M74HC32	Harris	CD74HC32	
	Hitachi	HD74HC32	
	Motorola	MC74HC32A	
	National	MM74HC32	
	NJR	NJU74HC32	
	SGS-Thomson	M74HC32	
	Sharp	LR74HC32	
	Signetics	74HC32	
	TI	SN74HC32	
	Toshiba	TC74HC32A	
♦ M74HC365	GoldStar	GD74HC365	
	Harris	CD74HC365	

(Continued)

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
♦ M74HC365			(Cont'd)
	Hitachi	HD74HC365	
	Motorola	MC74HC365	
	National	MM74HC365	
	SGS-Thomson	M74HC365	
	Sharp	LR74HC365	
	Signetics	74HC365	
	TI	SN74HC365	
	Toshiba	TC74HC365A	
♦ M74HC366	GoldStar	GD74HC366	
	Harris	CD74HC366	
	Hitachi	HD74HC366	
	Motorola	MC74HC366	
	National	MM74HC366	
	SGS-Thomson	M74HC366	
	Sharp	LR74HC366	
	Signetics	74HC366	
	TI	SN74HC366	
	Toshiba	TC74HC366A	
M74HC367	GoldStar	GD74HC367	
	Harris	CD74HC367	
	Hitachi	HD74HC367	
	Motorola	MC74HC367	
	National	MM74HC367	
	SGS-Thomson	M74HC367	
	Signetics	74HC367	
	TI	SN74HC367	
	Toshiba	TC74HC367A	
♦ M74HC368	GoldStar	GD74HC368	
	Harris	CD74HC368	
	Hitachi	HD74HC368	
	Motorola	MC74HC368	
	National	MM74HC368	
	SGS-Thomson	M74HC368	
	Sharp	LR74HC368	
	Signetics	74HC368	
	TI	SN74HC368	
	Toshiba	TC74HC368A	
♦ M74HC373	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	National	MM74HC373	
	NJR	NJU74HC373	
	SGS-Thomson	M74HC373	
	Sharp	LR74HC373	
	Signetics	74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
M74HC373-1	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Motorola	MC74HC373A	
	National	MM74HC373	
	NJR	NJU74HC373	
	SGS-Thomson	M74HC373	
	Sharp	LR74HC373	
	Signetics	74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
♦ M74HC374	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	National	MM74HC374	
	NJR	NJU74HC374	
	SGS-Thomson	M74HC374	
	Sharp	LR74HC374	
	Signetics	74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	
M74HC374-1	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Motorola	MC74HC374A	
	National	MM74HC374	
	NJR	NJU74HC374	
	SGS-Thomson	M74HC374	
	Sharp	LR74HC374	
	Signetics	74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	

(Continued)

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
♦ M74HC375	Hitachi	HD74HC375	
	NJR	NJU74HC375	
	SGS-Thomson	M74HC375	
	TI	SN74HC375	
	Toshiba	TC74HC375A	
♦ M74HC390	Harris	CD74HC390	
	Hitachi	HD74HC390	
	Motorola	MC74HC390	
	National	MM74HC390	
	NJR	NJU74HC390	
	SGS-Thomson	M74HC390	
	Sharp	LR74HC390	
	Signetics	74HC390	
	TI	SN74HC390	
	Toshiba	TC74HC390A	
♦ M74HC393	Harris	CD74HC393	
	Hitachi	HD74HC393	
	Motorola	MC74HC393	
	National	MM74HC393	
	NJR	NJU74HC393	
	SGS-Thomson	M74HC393	
	Sharp	LR74HC393	
	Signetics	74HC393	
	TI	SN74HC393	
	Toshiba	TC74HC393A	
M74HC4002	Harris	CD74HC4002	
	Motorola	MC74HC4002	
	National	MM74HC4002	
	NJR	NJU74HC4002	
	SGS-Thomson	M74HC4002	
	Sharp	LR74HC4002	
	Signetics	74HC4002	
	TI	SN74HC4002	
	Toshiba	TC74HC4002A	
M74HC4020	Harris	CD74HC4020	
	Hitachi	HD74HC4020	
	National	MM74HC4020	
	NJR	NJU74HC4020	
	SGS-Thomson	M74HC4020	
	Signetics	74HC4020	
	TI	SN74HC4020	
	Toshiba	TC74HC4020A	
M74HC4024	Harris	CD74HC4024	
	Hitachi	HD74HC4024	
	Motorola	MC74HC4024	
	National	MM74HC4024	
	SGS-Thomson	M74HC4024	
	Sharp	LR74HC4024	
	Signetics	74HC4024	
	TI	SN74HC4024	
	Toshiba	TC74HC4024A	
M74HC4040	Harris	CD74HC4040	
	Hitachi	HD74HC4040	
	National	MM74HC4040	
	NJR	NJU74HC4040	
	SGS-Thomson	M74HC4040	
	Signetics	74HC4040	
	TI	SN74HC4040	
	Toshiba	TC74HC4040A	
M74HC4049B	Harris	CD74HC4049	
	Motorola	MC74HC4049	
	National	MM74HC4049	
	SGS-Thomson	M74HC4049	
	Signetics	74HC4049	
	Toshiba	TC74HC4049A	
M74HC4050B	Harris	CD74HC4050	
	Motorola	MC74HC4050	
	National	MM74HC4050	
	SGS-Thomson	M74HC4050	
	Signetics	74HC4050	
	Toshiba	TC74HC4050A	
M74HC4051	Harris	CD74HC4051	
	Motorola	MC74HC4051	
	National	MM74HC4051	
	SGS-Thomson	M74HC4051	
	Signetics	74HC4051	
	Toshiba	TC74HC4051A	
M74HC4052	Harris	CD74HC4052	
	Motorola	MC74HC4052	
	National	MM74HC4052	
	Panasonic	MN74HC4052	
	SGS-Thomson	M74HC4052	

(Continued)

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
M74HC4052			(Cont'd)
	Signetics	74HC4052	
	Toshiba	TC74HC4052A	
M74HC4053	Harris	CD74HC4053	
	Motorola	MC74HC4053	
	National	MM74HC4053	
	SGS-Thomson	M74HC4053	
	Signetics	74HC4053	
	Toshiba	TC74HC4053A	
M74HC4075	Harris	CD74HC4075	
	Motorola	MC74HC4075	
	National	MM74HC4075	
	SGS-Thomson	M74HC4075	
	Sharp	LR74HC4075	
	Signetics	74HC4075	
	TI	SN74HC4075	
	Toshiba	TC74HC4075A	
M74HC4078	Motorola	MC74HC4078	
	National	MM74HC4078	
	SGS-Thomson	M74HC4078	
	Sharp	LR74HC4078	
	TI	SN74HC4078A	
	Toshiba	TC74HC4078A	
M74HC42	Harris	CD74HC42	
	Hitachi	HD74HC42	
	Motorola	MC74HC42	
	National	MM74HC42	
	SGS-Thomson	M74HC42	
	Sharp	LR74HC42	
	Signetics	74HC42	
	TI	SN74HC42	
	Toshiba	TC74HC42A	
♦ M74HC4514	Harris	CD74HC4514	
	Hitachi	HD74HC4514	
	Motorola	MC74HC4514	
	National	MM74HC4514	
	SGS-Thomson	M74HC4514	
	Sharp	LR74HC4514	
	Signetics	74HC4514	
	TI	SN74HC4514	
	Toshiba	TC74HC4514A	
M74HC51	Hitachi	HD74HC51	
	Motorola	MC74HC51	
	National	MM74HC51	
	NJR	NJU74HC51	
	SGS-Thomson	M74HC51	
	Sharp	LR74HC51	
	TI	SN74HC51	
	Toshiba	TC74HC51A	
M74HC533	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533-1	
	Motorola	MC74HC533A	
	National	MM74HC533	
	NJR	NJU74HC533	
	SGS-Thomson	M74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
M74HC533-1	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
	Motorola	MC74HC533A	
	National	MM74HC533	
	NJR	NJU74HC533	
	SGS-Thomson	M74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
M74HC534	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534-1	
	Motorola	MC74HC534A	
	National	MM74HC534	
	NJR	NJU74HC534	
	SGS-Thomson	M74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
M74HC534-1	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Mitsubishi Electronics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC534-1			(Cont'd)
	Motorola	MC74HC534A	
	National	MM74HC534	
	NJR	NJU74HC534	
	SGS-Thomson	M74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
M74HC540	Harris	CD74HC540	
	Hitachi	HD74HC540	
	Motorola	MC74HC540	
	National	MM74HC540	
	SGS-Thomson	M74HC540	
	Signetics	74HC540	
	TI	SN74HC540	
	Toshiba	TC74HC540A	
M74HC541	Harris	CD74HC541	
	Hitachi	HD74HC541	
	Motorola	MC74HC541	
	National	MM74HC541	
	SGS-Thomson	M74HC541	
	Sharp	LR74HC541	
	Signetics	74HC541	
	TI	SN74HC541	
	Toshiba	TC74HC541A	
M74HC595	Hitachi	HD74HC595	
	National	MM74HC595	
	SGS-Thomson	M74HC595	
	Sharp	LR74HC595	
	TI	SN74HC595	
	Toshiba	TC74HC595A	
M74HC604	TI	SN74HC604	
M74HC640	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640-1	
	Motorola	MC74HC640A	
	National	MM74HC640	
	NJR	NJU74HC640	
	SGS-Thomson	M74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	
M74HC640-1	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
	Motorola	MC74HC640A	
	National	MM74HC640	
	NJR	NJU74HC640	
	SGS-Thomson	M74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	
M74HC643	Harris	CD74HC643	
	Hitachi	HD74HC643	
	Mitsubishi	M74HC643-1	
	National	MM74HC643	
	NJR	NJU74HC643	
	SGS-Thomson	M74HC643	
	Sharp	LR74HC643	
	Signetics	74HC643	
	TI	SN74HC643	
	Toshiba	TC74HC643A	
M74HC643-1	Harris	CD74HC643	
	Hitachi	HD74HC643	
	Mitsubishi	M74HC643	
	National	MM74HC643	
	NJR	NJU74HC643	
	SGS-Thomson	M74HC643	
	Sharp	LR74HC643	
	Signetics	74HC643	
	TI	SN74HC643	
	Toshiba	TC74HC643A	
M74HC645	Mitsubishi	M74HC645-1	
	NJR	NJU74HC645	
	TI	SN74HC645	
M74HC645-1	Mitsubishi	M74HC645	
	NJR	NJU74HC645	
	TI	SN74HC645	
♦ M74HC646	Harris	CD74HC646	
	Motorola	MC74HC646	(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ M74HC646			(Cont'd)
	National	MM74HC646	
	SGS-Thomson	M74HC646	
	Signetics	74HC646	
	TI	SN74HC646	
	Toshiba	TC74HC646A	
♦ M74HC648	Harris	CD74HC648	
	Motorola	MC74HC648	
	National	MM74HC648	
	SGS-Thomson	M74HC648	
	Signetics	74HC648	
	TI	SN74HC648	
	Toshiba	TC74HC648A	
♦ M74HC688	Harris	CD74HC688	
	Hitachi	HD74HC688	
	Motorola	MC74HC688	
	National	MM74HC688	
	SGS-Thomson	M74HC688	
	Sharp	LR74HC688	
	Signetics	74HC688	
	TI	SN74HC688	
	Toshiba	TC74HC688A	
M74HC73	Harris	CD74HC73	
	Hitachi	HD74HC73	
	Motorola	MC74HC73	
	National	MM74HC73	
	SGS-Thomson	M74HC73	
	Signetics	74HC73	
	TI	SN74HC73	
	Toshiba	TC74HC73A	
M74HC74	GoldStar	GD74HC74	
	Harris	CD74HC74	
	Hitachi	HD74HC74	
	Motorola	MC74HC74A	
	National	MM74HC74	
	NJR	NJU74HC74	
	SGS-Thomson	M74HC74	
	Sharp	LR74HC74	
	Signetics	74HC74	
	TI	SN74HC74	
	Toshiba	TC74HC74A	
M74HC75	Harris	CD74HC75	
	Hitachi	HD74HC75	
	Motorola	MC74HC75	
	National	MM74HC75	
	SGS-Thomson	M74HC75	
	Sharp	LR74HC75	
	Signetics	74HC75	
	TI	SN74HC75	
	Toshiba	TC74HC75A	
M74HC76	Hitachi	HD74HC76	
	Motorola	MC74HC76	
	National	MM74HC76	
	SGS-Thomson	M74HC76	
	Sharp	LR74HC76	
	TI	SN74HC76	
	Toshiba	TC74HC76A	
M74HC85	Harris	CD74HC85	
	Hitachi	HD74HC85	
	Motorola	MC74HC85	
	National	MM74HC85	
	NJR	NJU74HC85	
	SGS-Thomson	M74HC85	
	Sharp	LR74HC85	
	Signetics	74HC85	
	TI	SN74HC85	
	Toshiba	TC74HC85A	
M74HC86	Harris	CD74HC86	
	Hitachi	HD74HC86	
	Motorola	MC74HC86	
	National	MM74HC86	
	NJR	NJU74HC86	
	SGS-Thomson	M74HC86	
	Sharp	LR74HC86	
	Signetics	74HC86	
	TI	SN74HC86	
	Toshiba	TC74HC86A	
41000	Micro-C	511000	
4256	Micro-C	41256	
74HC190	Harris	CD74HC190	
	Hitachi	HD74HC190	
	National	MM74HC190	
	SGS-Thomson	M74HC190	
	Signetics	74HC190	(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74HC190			(Cont'd)
	TI	SN74HC190	
	Toshiba	TC74HC190A	
	Universal	US74HC190	
82C37	Micro-C	82C37	
	Samsung	KS82C37	
82C54	Micro-C	82C54	
	Samsung	KS82C54	
82C55	Samsung	KS82C55	
82C59	Micro-C	82C59	
	Samsung	KS82C59	

Mosaic Semiconductor

Manufacturer Device	Replacement Source	Device	IC Master Page
MDM14000	NEC	μPD424100	
MDM41000	NEC	μPD424400	
MSM1256	Paradigm	PDM41257	
MSM464	Paradigm	PDM41258	
MSM832	Paradigm	PDM41256	
MS1256	IDT	IDT7MC156	
		IDT7MP156	
MS1664	IDT	IDT7M624	
		IDT8M624	
MS3216	IDT	IDT7MP4031	
MS32256	IDT	IDT7MP4045	
		IDT7M4067	
MS3264	IDT	IDT7MP4036	
		IDT7M4017	
MS8128	Cypress	SYM1420	
		SYM1421	
	IDT	IDT8M824	
MS8256	IDT	IDT7MP4034	
MS8512	IDT	IDT7MB4048	
		IDT7MP4008	
		IDT7M4048	
PUMA2E1000	IDT	IDT7004	
PUMA2S1000	IDT	IDT7M4003	

Mosel

Manufacturer Device	Replacement Source	Device	IC Master Page
MS12808	Inova	S128K8	
MS6168	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
MS62256	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
MS6264-70	Krueger	6264-070	
MS6264AL	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
MS6264AL-35	Krueger	6264LP-035	
MS6264AL-45	Krueger	6264LP-045	
MS6264AL-70	Krueger	6264LP-070	
MS6288	**Krueger**	**6288-25**	**(3548)**
		6288-35	
		6288-45	
MS6516	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
MS7200	IDT	IDT7200	
MS7201	IDT	IDT7201	
MS7202	IDT	IDT7202	
MS88128	Inova	S128K8	
	Micro-C	S128KX8	
MX7203	IDT	IDT7203	

Motorola

Manufacturer Device	Replacement Source	Device	IC Master Page
μA78S40	Samsung	KA78S40	
AD562	AD	PM562	
	National	DAC1266	
AD563	National	DAC1265	
AM26LS31	National	DS26LS31	
	Signetics	AM26LS31	
AM26LS32	Signetics	AM26LS32	
A1302302	Micro-C	1302302	
A1302305	Micro-C	1302305	
CA3054	Harris	CA3054	
CA3059	Harris	CA3059	
CA3079	Harris	CA3079	
CA3146	Harris	CA3146	
C12612	Micro-C	12612	
C15438	Micro-C	15438	
DAC08	AD	DAC08	
	National	DAC0800	
		DAC0801	
		DAC0802	(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
DAC08			(Cont'd)
	Signetics	DAC08	
DP8480	STC	SLE5004	
DP8482	STC	SLE5004	
DS8641	National	DS8641	
ENG88100	Micro-C	88100	
ENG88200	Micro-C	88200	
IDM2901	Cypress	CY7C901	
IDM2909	Cypress	CY2909	
IDM2911	Cypress	CY2911	
LF155	LinearTech	LF1055	
		LF155	
		LT1055	
LF156	LinearTech	LF156	
		LT1056	
LF347	Samsung	KF347	
	SGS-Thomson	LF347	
LF351	AD	OP15	
	AnalogSys	MA332	
		MA333	
	Samsung	KF351	
	SGS-Thomson	LF351	
LF353	AnalogSys	MA336	
		MA372	
	Samsung	KF353	
	SGS-Thomson	LF353	
LF355	AD	OP15	
		PM355	
	LinearTech	LF355	
	SGS-Thomson	LF355	
LF356	AD	OP16	
		PM356	
	AnalogSys	MA332	
		MA333	
	LinearTech	LF356	
	SGS-Thomson	LF356	
LF357	AD	OP17	
		PM357	
	LinearTech	LT1022	
	SGS-Thomson	LF357	
LM101	AD	OP08	
	LinearTech	LM101	
	SiliconG	SG101	
LM101A	Raytheon	LM101A	
LM107	LinearTech	LM107	
LM108	AD	PM1008	
	LinearTech	LM108	
LM109	National	LM109	
	SiliconG	SG109	
LM11	AD	OP97	
	AnalogSys	MA332	
		MA333	
		MA362	
LM111	AD	PM111	
	LinearTech	LM1008	
		LM111	
		LT111	
	Raytheon	LM111	
	SiliconG	SG111	
LM117	LinearTech	LM117	
		LT117	
	National	LM117	
	SiliconG	SG117	
	Unitrode	UC117	
LM123	LinearTech	LM123	
		LT1003	
		LT123	
	National	LM123	
	SiliconG	SG123	
LM124	AD	OP11	
		OP421	
	LinearTech	LT1014	
	Raytheon	LM124	
	SGS-Thomson	LM124	
	Signetics	LM124	
	SiliconG	SG124	
LM124J	TI	LM124J	
LM137	LinearTech	LM137	
		LT1033	
		LT137	
	National	LM137	
	SiliconG	SG137	
	Unitrode	UC137	(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
LM139	AD	PM139	
	Raytheon	LM139	
	SGS-Thomson		
		LM139	
LM139AJ	TI	LM139AJ	
LM139J	TI	LM139J	
LM140	SiliconG	SG140	
LM1436	National	LM343	
LM148	**AD**	**PM148**	**(3342)**
	LinearTech	LT1014	
	SGS-Thomson		
		LM148	
LM150	LinearTech	LM150	
		LT150	
	SiliconG	SG150	
	Unitrode	UC150	
LM158	**AD**	**OP14**	**(3343)**
		OP221	
	LinearTech	LT1013	
	SGS-Thomson		
		LM158	
	Signetics	SE532	
LM158J	TI	LM158JG	
LM168	LinearTech	LT1019	
LM201	AD	PM1008	
	SGS-Thomson		
		LM201	
	SiliconG	SG201	
LM204	SiliconG	SG204	
LM205	SiliconG	SG205	
LM208	AD	PM1008	
	SiliconG	SG209	
LM211	AD	PM211	
	SGS-Thomson		
		LM211	
	Signetics	LM211	
	SiliconG	SG211	
LM217	SiliconG	SG217	
	TI	LM217	
	Unitrode	UC217	
LM223	SGS-Thomson		
		LM223	
	SiliconG	SG223	
LM224	AD	OP421	
	Samsung	LM224	
	SGS-Thomson		
		LM224	
	Signetics	LM224	
		SA354	
	SiliconG	SG224	
LM237	SGS-Thomson		
		LM237	
	SiliconG	SG237	
	TI	LM237	
	Unitrode	UC237	
LM239	AD	PM139	
	Samsung	LM239	
	SGS-Thomson		
		LM239	
	Signetics	LM239	
		LM239A	
LM248	AD	OP421	
		PM248	**(3342)**
	Samsung	LM248	
LM250	SiliconG	SG250	
	Unitrode	UC250	
LM258	AD	OP221	
	Samsung	LM258	
	SGS-Thomson		
		LM258	
	Signetics	LM258	
		SA532	
LM285	Astec Semi	AS1004	
LM285-1.2	GEC Plessey	REF12	
LM285-2.5	GEC Plessey	REF25	
LM2901	AD	CMP04	
	Samsung	LM2901	
	SGS-Thomson		
		LM2901	
		LM291	
	Signetics	LM2901	
LM2902	AD	OP421	
	Samsung	LM2902	
	SGS-Thomson		
		LM2902	
	Signetics	LM2902	
		SA534	
LM2903	Samsung	LM2903	
	SGS-Thomson		
		LM2903	
	Signetics	LM2903	
LM2904	AD	OP221	
	Samsung	LM2904	
	SGS-Thomson		
		LM2904	
	Signetics	LM2904	
LM293	Samsung	LM293	
	Signetics	LM293	
LM293A	Signetics	LM293	
LM2931	National	LM2931	
LM301	AD	PM1008	
	AnalogSys	MA332	
		MA333	
		MA362	
	Samsung	KA301	
	SGS-Thomson		
		LM301	
	SiliconG	SG301	
LM301A	Raytheon	LM301A	
LM305	SiliconG	SG305	
LM307	AD	OP77	
	AnalogSys	MA332	
		MA333	
LM308	AD	PM1008	
	LinearTech	LM308	
		LT1008	
	SGS-Thomson		
		LM308	
LM309	National	LM309	
	SiliconG	SG309	
LM311	AD	PM211	
	LinearTech	LM311	
		LT1011	
		LT311	
	Samsung	LM311	
	SGS-Thomson		
		LM311	
	Signetics	LM311	
	SiliconG	SG311	
LM317	LinearTech	LM317	
		LT317	
	National	LM317	
	Samsung	KA317	
		LM317	
	SiliconG	SG317	
	TI	LM317	
	Unitrode	UC317	
LM323	LinearTech	LM323	
		LT1003	
		LT323	
	National	LM323	
	Samsung	LM323	
	SGS-Thomson		
		LM323	
	SiliconG	SG323	
LM324	AD	OP11	
		OP421	
	AnalogSys	MA374	
	Panasonic	AN1324	
		AN6564	
	Raytheon	LM324	
	Samsung	LM324	
	SGS-Thomson		
		LM324	
	Signetics	LM324	
		LM324A	
LM324A	Signetics	LM324A	
LM3302	AD	CMP04	
LM337	LinearTech	LM337	
		LT1033	
		LT337	
	National	LM337	
	Samsung	KA337	
	SGS-Thomson		
		LM337	
	SiliconG	SG337	
	TI	LM337	
	Unitrode	UC337	
LM339	AD	PM339	
	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
	Raytheon	LM339	
	Samsung	LM339	
	SGS-Thomson		
		LM339	
	Signetics	LM339	
LM340	SiliconG	SG340	
	Unitrode	UC7812	
LM3403	Samsung	MC3403	
LM347	AnalogSys	MA374	
LM348	AnalogSys	MA374	
	National	LM348	
			(Continued)
LM348			(Cont'd)
	Samsung	LM348	
	SGS-Thomson		
		LM348	
LM350	LinearTech	LM350	
		LT350	
	National	LM350	
	Samsung	KA350	
	SiliconG	SG340	
	Unitrode	UC350	
LM358	AD	OP221	
	AnalogSys	MA336	
		MA372	
	Fujitsu	MB47358	
		MB47358P	
		MB47358PE	
	Panasonic	AN1358	
		AN6562	
	Samsung	LM358	
	SGS-Thomson		
		LM358	
	Signetics	LM358	
		NE532	
LM358A	Signetics	NE532	
LM385	Astec Semi	AS1004	
LM385-1.2	GEC Plessey	REF12	
LM385-2.5	GEC Plessey	REF25	
LM393	Samsung	LM393	
	SGS-Thomson		
		LM393	
	Signetics	LM393	
		LM393A	
LM393A	Signetics	LM393A	
LM833	**AD**	**SSM2139**	**(3337, 3343, 3354)**
LT1022	LinearTech	LT1022	
LT3527	LinearTech	LT3527	
MCM100422	NEC	μPB100422	
MCM100470	NEC	μPB100470	
MCM100474	NEC	μPB100474	
MCM10422	Cypress	CY10E422	
	NEC	μPB10422	
MCM10470	NEC	μPB10470	
MCM10474	NEC	μPB10474	
MCM1423	Cypress	CY7C168	
	LogicDev	L7C168	
	Performance	P4C168	
	SGS-Thomson		
		IMSZ1420	
		MH41H66	
MCM2016	Cypress	CY6116	
	LogicDev	L6116	
	Performance	P4C116	
MCM2018	Cypress	CY7C128	
	IDT	IDT6116	
	LogicDev	L6116	
	Performance	P4C116	
	UMC	UM6116	
MCM2114	AMD	AM9114	
	Krueger	**2114-150**	**(3548)**
		2114-200	**(3548)**
		2114-450	**(3548)**
MCM2147	Performance	P4C147	
MCM2148	AMD	AM2148	
MCM2167	AMD	AM2167	
	Cypress	CY7C167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	LogicDev	L7C167	
MCM2168	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
MCM2532	Micro-C	2532	
MCM27A08	Micro-C	27A08	
MCM2708	Micro-C	2708	
MCM2716	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
	Micro-C	2716	
MCM3264	IDT	IDT7MP4036	
MCM4146	GoldStar	GM71C464	
MCM41464	Krueger	41464-100	
		41464-120	
		41464-150	
	MicronTech	MT4067	
MCM4164	Micro-C	4164	
MCM4180	AT&T	ATT7C180	
	IDT	IDT6178	
			(Continued)
MCM4180			(Cont'd)
	LogicDev	L7C180	
	SGS-Thomson		
		MK41S80	
MCM4517	Krueger	4116SV	
MCM51L1000	MicronTech	MT4C1027	
MCM51L4256	MicronTech	MT4C4260	
MCM51L8128	Krueger	658128-100	
	Toshiba	TC518128	
MCM511000	Krueger	511000-100	
		511000-70	
		511000-80	
	Micro-C	511000	
	MicronTech	MT4C1024	
MCM511001	MicronTech	MT4C1025	
MCM511002	Micro-C	511002	
	MicronTech	MT4C1026	
MCM5116100			
	MicronTech	MT4C10016	
MCM5116400			
	MicronTech	MT4C40004	
MCM514100	MicronTech	MT4C1004	
	NEC	μPD424100	
	Toshiba	TC514100	
MCM514101	MicronTech	MT4C1005	
MCM514102	MicronTech	MT4C1006	
MCM514256	GoldStar	GM71C4256	
	Krueger	514256-100	
		514256-70	
		514256-80	
	MicronTech	MT4C4256	
MCM514258	MicronTech	MT4C4258	
MCM514400	MicronTech	MT4C1001	
	NEC	μPD424400	
	Toshiba	TC514400	
MCM514402	MicronTech	MT4C4003	
MCM518128	MicronTech	MT45C8128	
	Samsung	KM658128	
	Toshiba	TC518128	
MCM518129	MicronTech	MT45C8129	
	Toshiba	TC518129	
MCM60L256	Micro-C	S32KX8	
	Mosel	MS62256	
MCM60L64	GoldStar	GM76C88	
	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
MCM60256	Cypress	CY7C198	
	GoldStar	GM76C256	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	Micro-C	S32KX8	
	OKI	MSM51257	
	Toshiba	TC55257	
MCM6027	Mosel	MS62251	
MCM6064	Cypress	CY7C186	
	Mosel	MS6264	
	OKI	MSM5165	
	SGS-Thomson		
		MK48H64	
	Toshiba	TC5563	
		TC5565	
MCM61L64	Cypress	CY7C186	
	IDT	IDT7164	
	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
MCM6116	AMD	AM9122	
	GoldStar	GM76C28	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
MCM6147	AMD	AM2147	
	Cypress	CY7C147	
MCM6164	Cypress	CY7C186	
	GoldStar	GM76C88	
	Harris	HM65642	
		HM8808	
	IDT	IDT7164	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	LogicDev	L7C185	
	Mosel	MS6264	
	Performance	P4C164	
	SGS-Thomson		
		IMS1630	
MCM6168	AMD	AM2168	
	Cypress	CY7C168	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
MCM6168			(Cont'd)
	IDT	IDT6168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
	Micro-C	S4KX4	
	Performance	P4C168	
	SGS-Thomson		
		IMS1420	
		MK41H68	
MCM6187	NEC	µPD4361	
MCM6188	NEC	µPD4362	
MCM62L87	Cypress	CY7C187	
MCM6205	IDT	IDT71259	
	Toshiba	TC55329	
MCM6206	AT&T	ATT7C199	
	Cypress	CY7C198	
	IDT	IDT71256	
	Krueger	62256-025	
		62256-030	
		62256-035	
	MicronTech	MT5C2568	
	Mosel	MS62252	
		MS62256	
	Paradigm	PDM41256	
	Toshiba	TC55257	
		TC55328	
MCM6207	AT&T	ATT7C197	
	Cypress	CY7C197	
		CY7C1987	
	MicronTech	MT5C2561	
	Paradigm	PDM41257	
MCM6208	AT&T	ATT7C194	
	Cypress	CY7C194	
	IDT	IDT71B258	
	MicronTech	MT5C2564	
	Paradigm	PDM41258	
	Toshiba	TC55464	
	Vitelic	V63C70	
MCM6209	AT&T	ATT7C196	
	IDT	IDT61B298	
	MicronTech	MT5C2565	
	Paradigm	PDM41298	
	Toshiba	TC55465	
	Vitelic	V63C71	
MCM6226	AT&T	ATT7C109	
	MicronTech	MT5C1008	
	Mosel	MS621008	
	Paradigm	PDM41024	
	Toshiba	TC551001	
MCM6228	AT&T	ATT7C106	
	MicronTech	MT5C1005	
	Mosel	MS621002	
	Paradigm	PDM41028	
MCM62350	IDT	IDT6178	
	Micro-C	S4KX4	
MCM62351	IDT	IDT6178	
MCM6255	GoldStar	GM71256	
MCM6256	GoldStar	GM71C256	
	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	MicronTech	MT1259	
	OKI	MSM41256	
MCM6257	OKI	MSM41257	
MCM6264	AT&T	ATT7C185	
	Cypress	CY7B185	
		CY7C185	
		CY7C186	
	IDT	IDT7164	
	Krueger	6264-025	
		6264-035	
		6264-045	
	LogicDev	L7C185	
	Micro-C	S8KX8	
	MicronTech	MT5C6408	
	SGS-Thomson		
		MK48H98	
	Toshiba	TC5563	
		TC5565	
		TC5588	
	UMC	UM6164	
	Vitelic	V63C64	
MCM6265	Toshiba	TC5589	
MCM6268	AT&T	ATT7C168	
	Cypress	CY7C168	
	Micro-C	S4KX4	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MCM6268			(Cont'd)
	MicronTech	MT5C1604	
	SGS-Thomson		
		IMS1423	
		MK41H68	
	UMC	UM6168	
MCM6269	Cypress	CY7C169	
	IDT	IDT6168	
	Performance	P4C169	
	SGS-Thomson		
		IMS1421	
MCM6270	AT&T	ATT7C170	
	Cypress	CY7C170	
	IDT	IDT61970	
	MicronTech	MT5C1605	
	Performance	P4C170	
MCM6287	AT&T	ATT7C187	
	Cypress	CY7C187	
	IDT	IDT7187	
	Krueger	6287-35	
		6287-45	
		6287-55	
	LogicDev	L7C187	
	Micro-C	S64KX1	
	MicronTech	MT5C1608	
		MT5C6401	
	SGS-Thomson		
		IMS1600	
		IMS1601	
	Toshiba	TC5561	
		TC5562	
MCM6288	AT&T	ATT7C164	
	Cypress	CY7B164	
		CY7C164	
	IDT	IDT6168	
		IDT7188	
	Krueger	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	LogicDev	L7C164	
	Micro-C	S16KX4PSC	
	MicronTech	MT5C6404	
	Performance	P4C188	
	Quality Semi	QS8888	
	SGS-Thomson		
		IMS1620	
	Toshiba	TC55416	
MCM6289	LogicDev	L7C164	
	Toshiba	TC55416	
MCM6290	AT&T	ATT7C166	
	Cypress	CY7C166	
	IDT	IDT7198	
	Krueger	6289-25	
		6289-35	
		6289-45	
	LogicDev	L7C166	
	Micro-C	S16KX4PSC	
		6290	
	MicronTech	MT5C6405	
	Quality Semi	QS8886	
	SGS-Thomson		
		IMS1624	
	Toshiba	TC55417	
MCM6504	Harris	HM6504	
MCM6508	Harris	HM6508	
MCM65116	Harris	HM65162	
MCM6514	Harris	HM6514	
MCM6518	Harris	HM6518	
MCM65308	Hughes	H1833	
		H1834	
MCM6665	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
	OKI	MSM3764	
MCM6810	Krueger	6810	
MCM68766	Micro-C	68766	
MCM76	Waferscale	WS57C191	
MCM76160	Waferscale	WS57C291	
♦ MCM76161	Lansdale	HL76161	
	Waferscale	WS57C291	
♦ MCM7620	Lansdale	HL7620	
♦ MCM7621	Lansdale	HL7621	
♦ MCM7640	Lansdale	HL7640	
♦ MCM7641	Lansdale	HL7641	
♦ MCM7642	Lansdale	HL7642	
♦ MCM7643	Lansdale	HL7643	
♦ MCM7681	Lansdale	HL7681	
	Cypress	CY7C282	
♦ MCM7685	Lansdale	HL7685	
MCM8256	IDT	IDT7MP4034	
MCM93L422	Cypress	CY93L422	
	Performance	P93U422	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MCM93L422A			
	Performance	P93U422	
MCM93422	Cypress	CY93422	
	Performance	P93U422	
MCM93422A	Performance	P93U422	
♦ MCM958	Lansdale	ML958	
MC08	SiliconG	SG7808	
MC10E016	**Synergy**	**SY10E016**	**(3707)**
MC10E101	**Synergy**	**SY10E101**	**(3707)**
MC10E104	**Synergy**	**SY10E104**	**(3707)**
MC10E107	**Synergy**	**SY10E107**	**(3707)**
MC10E111	Synergy	SY10E111	
MC10E112	**Synergy**	**SY10E112**	**(3707)**
MC10E116	**Synergy**	**SY10E116**	**(3707)**
MC10E122	**Synergy**	**SY10E122**	**(3707)**
MC10E131	**Synergy**	**SY10E131**	**(3707)**
MC10E141	**Synergy**	**SY10E141**	**(3707)**
MC10E142	Synergy	SY10E142	
MC10E143	**Synergy**	**SY10E143**	**(3707)**
MC10E150	**Synergy**	**SY10E150**	**(3707)**
MC10E151	**Synergy**	**SY10E151**	**(3707)**
MC10E154	**Synergy**	**SY10E154**	**(3707)**
MC10E155	Synergy	SY10E155	
MC10E156	**Synergy**	**SY10E156**	**(3707)**
MC10E158	**Synergy**	**SY10E158**	**(3707)**
MC10E160	**Synergy**	**SY10E160**	**(3707)**
MC10E163	**Synergy**	**SY10E163**	**(3707)**
MC10E166	**Synergy**	**SY10E166**	**(3707)**
MC10E167	**Synergy**	**SY10E167**	**(3707)**
MC10E171	**Synergy**	**SY10E171**	**(3708)**
MC10E193	**Synergy**	**SY10E193**	**(3708)**
MC10E241	**Synergy**	**SY10E241**	**(3708)**
MC10E256	**Synergy**	**SY10E256**	**(3708)**
MC10E336	**Synergy**	**SY10E336**	**(3708)**
MC10E337	**Synergy**	**SY10E337**	**(3708)**
MC10E451	**Synergy**	**SY10E451**	**(3708)**
MC10H116	Micro-C	10H116	
MC10H350	STC	SLE5004	
MC100E016	**Synergy**	**SY100E016**	**(3707)**
MC100E101	**Synergy**	**SY100E101**	**(3707)**
MC100E104	**Synergy**	**SY100E104**	**(3707)**
MC100E107	**Synergy**	**SY100E107**	**(3707)**
MC100E111	**Synergy**	**SY100E111**	**(3707)**
MC100E112	**Synergy**	**SY100E112**	**(3707)**
MC100E116	**Synergy**	**SY100E116**	**(3707)**
MC100E122	**Synergy**	**SY100E122**	**(3707)**
MC100E131	**Synergy**	**SY100E131**	**(3707)**
MC100E141	**Synergy**	**SY100E141**	**(3707)**
MC100E142	**Synergy**	**SY100E142**	**(3707)**
MC100E143	**Synergy**	**SY100E143**	**(3707)**
MC100E150	**Synergy**	**SY100E150**	**(3707)**
MC100E151	**Synergy**	**SY100E151**	**(3707)**
MC100E154	**Synergy**	**SY100E154**	**(3707)**
MC100E155	**Synergy**	**SY100E155**	**(3707)**
MC100E156	**Synergy**	**SY100E156**	**(3707)**
MC100E158	**Synergy**	**SY100E158**	**(3707)**
MC100E160	**Synergy**	**SY100E160**	**(3707)**
MC100E163	**Synergy**	**SY100E163**	**(3707)**
MC100E166	**Synergy**	**SY100E166**	**(3707)**
MC100E167	**Synergy**	**SY100E167**	**(3707)**
MC100E171	**Synergy**	**SY100E171**	**(3708)**
MC100E193	**Synergy**	**SY100E193**	**(3708)**
MC100E241	**Synergy**	**SY100E241**	**(3708)**
MC100E256	**Synergy**	**SY100E256**	**(3708)**
MC100E336	**Synergy**	**SY100E336**	**(3708)**
MC100E337	**Synergy**	**SY100E337**	**(3708)**
MC100E451	**Synergy**	**SY100E451**	**(3708)**
MC10131	GEC Plessey	SP9131	
MC10319	GEC Plessey	SP973	
MC12009	GEC Plessey	SP8740	
MC12011	GEC Plessey	SP8743	
MC12012	GEC Plessey	SP8703	
MC12013	GEC Plessey	SP8647	
MC12015	GEC Plessey	SP8797	
	National	DS8615	
MC12016	GEC Plessey	SP8793	
	Motorola	DS8616	
MC12017	GEC Plessey	SP8718	
	Motorola	DS8617	
MC12018	GEC Plessey	SP8703	
		SP8704	
MC12019	GEC Plessey	SP8789	
MC12022	GEC Plessey	SP8704	
		SP8705	
MC12071	National	DS8621	
MC12511	GEC Plessey	SP8743	
MC12513	GEC Plessey	SP8647	
MC1309	Allegro		
	Micro	ULN3809	
MC1357	Allegro		
	Micro	ULN2111	
MC1400	AD	REF01	
		REF02	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC1400			(Cont'd)
	GEC Plessey	REF25	
	LinearTech	LT1019	
MC1400-10	GEC Plessey	REF100	
MC1400-5	GEC Plessey	REF50	
MC1400-6	GEC Plessey	ZNREF062	
MC14001	Fujitsu	MB4001P	
		MB4001PF	
	GoldStar	GD4001	
MC14002	Fujitsu	MB4002P	
		MB4002PF	
	GoldStar	GD4002	
MC14006	GoldStar	GD4006	
MC14007	GoldStar	GD4007	
MC14008	GoldStar	GD4008	
MC14011	GoldStar	GD4011	
MC14012	GoldStar	GD4012	
MC14013	GoldStar	GD4013	
MC14014	GoldStar	GD4014	
MC14015	GoldStar	GD4015	
MC14016	GoldStar	GD4016	
	Unitrode	PIC7516	
MC14017	GoldStar	GD4017	
MC14018	GoldStar	GD4018	
MC1402	GEC Plessey	TAB1042	
MC14020	GoldStar	GD4020	
MC14021	GoldStar	GD4021	
MC14022	GoldStar	GD4022	
MC14023	GoldStar	GD4023	
MC14024	GoldStar	GD4024	
MC14025	GoldStar	GD4025	
MC14027	GoldStar	GD4027	
MC14028	GoldStar	GD4028	
MC1403	AD	REF03	
		REF43	
	GEC Plessey	REF25	
	SiliconG	SG3503	
MC14034	GoldStar	GD4034	
MC14035	GoldStar	GD4035	
MC1404	AD	REF01	
		REF02	
	Raytheon	REF-02	
		REF01	
MC1404-10	GEC Plessey	REF100	
MC1404-5	GEC Plessey	REF50	
MC1404-6	GEC Plessey	ZNREF062	
MC14040	GoldStar	GD4040	
MC14042	GoldStar	GD4042	
MC14043	GoldStar	GD4043	
MC14044	GoldStar	GD4044	
MC14046	GoldStar	GD4046	
MC14049	GoldStar	GD4049	
♦ MC1405	Rochester	RC1405	
	TI	TL500	
		TL501	
		TL505	
MC14050	GoldStar	GD4050	
MC14051	GoldStar	GD4051	
MC14052	GoldStar	GD4052	
MC14053	GoldStar	GD4053	
MC1406	AD	DAC01	
	GEC Plessey	ZN436	
MC14066	GoldStar	GD4066	
	TLSI	TL4066	
	Unitrode	PIC7516	
MC14068	GoldStar	GD4068	
MC14069	GoldStar	GD4069	
MC14070	GoldStar	GD4070	
MC14071	GoldStar	GD4071	
MC14075	GoldStar	GD4075	
MC14076	GoldStar	GD4076	
MC14077	GoldStar	GD4077	
MC14078	GoldStar	GD4078	
MC1408	AD	DAC1408	
	GEC Plessey	ZN429	
	Motorola	MC1408	
	National	DAC0806	
		DAC0807	
		DAC0808	
	Samsung	KDA0800	
	SGS-Thomson		
		DAC0806	
		DAC0807	
	Signetics	MC1408-6	
MC1408L8	Raytheon	DAC08	
MC14081	GoldStar	GD4081	
MC14093	GoldStar	GD4093	
MC1411	Allegro		
	Micro	ULN2001	
		ULQ2001	
	National	µA9665	
		DS2001	
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
MC1411			(Cont'd)
	Samsung	KA2655	
	SiliconG	SG2001	
MC1412	Allegro		
	Micro	ULN2002	
		ULQ2002	
	National	µA9666	
		DS2002	
	Samsung	KA2656	
	SiliconG	SG2002	
MC1413	Allegro		
	Micro	ULN2003	
		ULQ2003	
	National	µA9667	
		DS2003	
	Samsung	KA2657	
	SiliconG	SG2003	
MC1414	National	LM1414	
MC1416	Allegro		
	Micro	ULN2004	
		ULQ2004	
	National	µA9668	
		DS2004	
	Samsung	KA2658	
	SiliconG	SG2004	
MC14160	GoldStar	GD40160	
MC14161	GoldStar	GD40161	
MC14163	GoldStar	GD40163	
MC1417	Allegro		
	Micro	UDN2580	
	Motorola	UDN2580	
MC14174	GoldStar	GD40174	
MC14175	GoldStar	GD40175	
MC14194	GoldStar	GD40194	
MC142100	Samsung	KT8592	
MC142103	GEC Plessey	MJ1471	
MC1436	SiliconG	SG1436	
MC14410	GEC Plessey	MV5089	
MC14411	SMC	COM5026	
		COM5046	
		COM8126	
		COM8146	
MC14412	Exar	XR14412	
MC14433	GEC Plessey	ZN450	
		ZN451	
	TI	ICL7135	
		TLC7135	
		TL500	
		TL501	
		TL503	
MC14442	National	ADC0829	
	TI	TLC532	
		TLC533	
MC14443	Fujitsu	MB4053	
		MB4063	
	TI	TL507	
MC14444	National	ADC0830	
	TI	TLC546	
MC14447	TI	TL507	
MC1445	TI	MC1445	
MC14503	GoldStar	GD40097	
MC145040	National	ADC0811	
	TI	TLC540	
		TLC541	
MC145041	GEC Plessey	ZN448	
	National	ADC0811	
	TI	TLC542	
MC14506	LinearTech	LT1039	
	Samsung	KS706	
MC14510	GoldStar	GD4510	
MC14511	GoldStar	GD4511	
MC14512	GoldStar	GD4512	
MC14514	GoldStar	GD4514	
MC145145	GEC Plessey	NJ8820	
MC145146	GEC Plessey	NJ8820	
MC145155	GEC Plessey	NJ8821	
MC145156	GEC Plessey	NJ8821	
		NJ8822	
MC145157	GEC Plessey	NJ8821	
MC145158	GEC Plessey	NJ8821	
MC145159	GEC Plessey	NJ8821	
MC14516	GoldStar	GD4516	
MC145168	Samsung	KS8800	
MC14518	GoldStar	GD4518	
MC14520	GoldStar	GD4520	
MC14522	GoldStar	GD4522	
MC14526	GoldStar	GD4526	
MC14528	GoldStar	GD4528	
MC14531	GoldStar	GD4531	
MC14532	GoldStar	GD4532	
MC14539	GoldStar	GD4539	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC145406	Signetics	MC145406	
MC145410	UMC	UM91260	
		UM91261	
MC145436	Crystal	CS204	
MC1455	Samsung	NE555	
	SGS-Thomson	NE555	
	Signetics	NE555	
MC14553	GoldStar	GD4553	
MC14555	GoldStar	GD4555	
MC145554	Samsung	KT8554	
MC145557	Samsung	KT8557	
MC14556	GoldStar	GD4556	
MC145564	Samsung	KT8564	
MC145567	Samsung	KT8567	
MC1456	AD	OP01	
	AnalogSys	MA332	
		MA333	
	Elantec	EHA2600	
MC14575	TLSI	TL14575	
MC1458	**AD**	**OP14**	**(3343)**
	AnalogSys	MA336	
		MA372	
	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
	National	LM1458	
	Panasonic	AN1458	
		AN6572	
	Samsung	MC1458	
	SGS-Thomson	MC1458	
	Signetics	MC1458	
	TI	MC1458	
MC14582	GoldStar	GD4582	
MC14584	GoldStar	GD40014	
MC14585	GoldStar	GD40085	
♦ MC1463	Rochester	RC1463	
MC1468	Raytheon	RC4195	
	SiliconG	SG1468	
MC146818	Micro-C	146818	
MC146823	Micro-C	146823	
♦ MC1469	Rochester	RC1469	
MC1471	Allegro		
	Micro	UDN5711	
MC1472	Allegro		
	Micro	UDN5712	
	National	DS3632	
MC1473	Allegro		
	Micro	UDN5713	
MC1474	Allegro		
	Micro	UDN5714	
MC1488	National	DS1488	
	Samsung	MC1488	
	SGS-Thomson	MC1488	
	Signetics	MC1488	
MC1489	National	DS1489	
	Samsung	MC1489	
	SGS-Thomson	MC1489	
	Signetics	MC1489	
	SiliconG	SG1489	
MC1494	Raytheon	RC4200	
		RC4200A	
MC1495	SiliconG	SG1495	
MC1496	National	LM1496	
	Signetics	MC1496	
	SiliconG	SG1496	
MC1500	AD	REF01	
		REF02	
MC1500-10	GEC Plessey	ZNREF100	
MC1500-5	GEC Plessey	ZNREF050	
MC1500-6	GEC Plessey	ZNREF062	
♦ MC1503	Lansdale	ML1503	
	SiliconG	SG1503	
♦ MC1505	Rochester	RC1505	
MC1506	AD	DAC01	
	GEC Plessey	ZN436	
MC1508	AD	DAC1508	
	GEC Plessey	ZN429	
	National	DAC0808	
	SGS-Thomson	DAC0808	
	Signetics	MC1508-8	
♦ MC1510	Lansdale	ML1510	
♦ MC1512	Lansdale	ML1512	
MC1514	Elantec	EL2252	
	National	LM1514	
♦ MC1520	Lansdale	ML1520	
♦ MC1531	Lansdale	ML1531	
♦ MC1533	Lansdale	ML1533	
♦ MC1535	Lansdale	ML1535	

Manufacturer Device	Replacement Source	Device	IC Master Page
MC1536	National	LM143	
	SiliconG	SG1536	
♦ MC1538	Lansdale	ML1538	
♦ MC15482	Lansdale	ML15482	
♦ MC1552	Lansdale	ML1552	
♦ MC1553	Lansdale	ML1553	
MC1555U	TI	SE555JG	
MC1556	AD	OP01	
	Elantec	EHA2600	
MC1558	**AD**	**OP14**	**(3343)**
	LinearTech	LT1013	
	National	LM1558	
	SGS-Thomson	MC1558	
	Signetics	MC1558	
	TI	MC1558	
MC1558U	TI	MC1558JG	
♦ MC1561	Lansdale	ML1561	
♦ MC1563	Rochester	RC1563	
MC1568	Raytheon	RC4195	
	SiliconG	SG1568	
♦ MC1569	Rochester	RC1569	
MC1590	GEC Plessey	SL6140	
MC1595	SiliconG	SG1595	
MC1596	National	LM1596	
	Signetics	MC1596	
	SiliconG	SG1596	
MC1648	GEC Plessey	SP1648	
MC1650	GEC Plessey	SP1650	
MC1658	GEC Plessey	SP1658	
MC1660	GEC Plessey	SP1660	
MC1662	GEC Plessey	SP1662	
MC1664	GEC Plessey	SP1664	
MC1670	GEC Plessey	SP1670	
MC1672	GEC Plessey	SP1672	
MC1674	GEC Plessey	SP1674	
MC1690	STC	SLG8001	
MC1692	GEC Plessey	SP1692	
MC1699	GEC Plessey	SP8610	
♦ MC1700	Lansdale	ML1710	
MC1709	AD	OP06	
	National	LM709	
	TI	µA709	
MC1710	National	LM710	
MC1723	Fujitsu	MB3752	
	Harris	CA0723	
	National	LM723	
	Samsung	LM723	
	Signetics	µA723	
	SiliconG	SG723	
	TI	µA723	
MC1733	Signetics	µA733	
	TI	µA733	
MC1741	AD	OP02	
		OP07	
	AnalogSys	MA332	
		MA333	
	National	LM741	
	Panasonic	AN1741	
		AN6570	
	Raytheon	RC741	
	Samsung	LM741	
	SGS-Thomson	µA741	
	Signetics	µA741	
		µA741C	
	SiliconG	SG741	
	TI	µA741	
MC1747	AD	OP04	
		OP221	
	National	LM747	
	Raytheon	RC747	
	Signetics	µA747	
		µA747C	
	TI	µA747	
MC1748	AD	OP06	
	AnalogSys	MA332	
		MA333	
	National	LM748	
	SGS-Thomson	µA748	
	SiliconG	SG201	
♦ MC17482	Lansdale	ML17482	
MC1776	AD	OP22	
	GEC Plessey	SL562	
	Harris	ICL7611	
	SGS-Thomson	µA778	
♦ MC1800	Lansdale	ML1800	
♦ MC1801	Lansdale	ML1801	
♦ MC1802	Lansdale	ML1802	
♦ MC1803	Lansdale	ML1803	
♦ MC1804	Lansdale	ML1804	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ MC1805	Lansdale	ML1805	
♦ MC1806	Lansdale	ML1806	
♦ MC1807	Lansdale	ML1807	
♦ MC1808	Lansdale	ML1808	
♦ MC1809	Lansdale	ML1809	
♦ MC1810	Lansdale	ML1810	
♦ MC1811	Lansdale	ML1811	
♦ MC1812	Lansdale	ML1812	
♦ MC1813	Lansdale	ML1813	
♦ MC1814	Lansdale	ML1814	
♦ MC1815	Lansdale	ML1815	
♦ MC1816	Lansdale	ML1816	
♦ MC1818	Lansdale	ML1818	
♦ MC1900	Lansdale	ML1900	
♦ MC1901	Lansdale	ML1901	
♦ MC1902	Lansdale	ML1902	
♦ MC1903	Lansdale	ML1903	
♦ MC1904	Lansdale	ML1904	
♦ MC1905	Lansdale	ML1905	
♦ MC1906	Lansdale	ML1906	
♦ MC1907	Lansdale	ML1907	
♦ MC1908	Lansdale	ML1908	
♦ MC1909	Lansdale	ML1909	
♦ MC1910	Lansdale	ML1910	
♦ MC1911	Lansdale	ML1911	
♦ MC1912	Lansdale	ML1912	
♦ MC1913	Lansdale	ML1913	
♦ MC1914	Lansdale	ML1914	
♦ MC1915	Lansdale	ML1915	
♦ MC1916	Lansdale	ML1916	
♦ MC1917	Lansdale	ML1917	
♦ MC1918	Lansdale	ML1918	
♦ MC2000	Lansdale	ML2000	
♦ MC2001	Lansdale	ML2001	
♦ MC2002	Lansdale	ML2002	
♦ MC2003	Lansdale	ML2003	
♦ MC2004	Lansdale	ML2004	
♦ MC2005	Lansdale	ML2005	
♦ MC2006	Lansdale	ML2006	
♦ MC2007	Lansdale	ML2007	
♦ MC2011	Lansdale	ML2011	
♦ MC2012	Lansdale	ML2012	
♦ MC2013	Lansdale	ML2013	
♦ MC2016	Lansdale	ML2016	
♦ MC2018	Lansdale	ML2018	
♦ MC2023	Lansdale	ML2023	
♦ MC2024	Lansdale	ML2024	
♦ MC2025	Lansdale	ML2025	
♦ MC2026	Lansdale	ML2026	
♦ MC2028	Lansdale	ML2028	
♦ MC2050	Lansdale	ML2050	
♦ MC2051	Lansdale	ML2051	
♦ MC2052	Lansdale	ML2052	
♦ MC2053	Lansdale	ML2053	
♦ MC2054	Lansdale	ML2054	
♦ MC2055	Lansdale	ML2055	
♦ MC2056	Lansdale	ML2056	
♦ MC2057	Lansdale	ML2057	
♦ MC2061	Lansdale	ML2061	
♦ MC2062	Lansdale	ML2062	
♦ MC2063	Lansdale	ML2063	
♦ MC2065	Lansdale	ML2065	
♦ MC2066	Lansdale	ML2066	
♦ MC2068	Lansdale	ML2068	
♦ MC2073	Lansdale	ML2073	
♦ MC2074	Lansdale	ML2074	
♦ MC2075	Lansdale	ML2075	
♦ MC2076	Lansdale	ML2076	
♦ MC2078	Lansdale	ML2078	
♦ MC2100	Lansdale	ML2100	
♦ MC2101	Lansdale	ML2101	
♦ MC2102	Lansdale	ML2102	
♦ MC2103	Lansdale	ML2103	
♦ MC2104	Lansdale	ML2104	
♦ MC2105	Lansdale	ML2105	
♦ MC2106	Lansdale	ML2106	
♦ MC2107	Lansdale	ML2107	
♦ MC2111	Lansdale	ML2111	
♦ MC2112	Lansdale	ML2112	
♦ MC2113	Lansdale	ML2113	
♦ MC2116	Lansdale	ML2116	
♦ MC2118	Lansdale	ML2118	
♦ MC2121	Lansdale	ML2121	
♦ MC2123	Lansdale	ML2123	
♦ MC2124	Lansdale	ML2124	
♦ MC2125	Lansdale	ML2125	
♦ MC2126	Lansdale	ML2126	
♦ MC2128	Lansdale	ML2128	
♦ MC2150	Lansdale	ML2150	
♦ MC2152	Lansdale	ML2152	
♦ MC2153	Lansdale	ML2153	
♦ MC2154	Lansdale	ML2154	
♦ MC2155	Lansdale	ML2155	
			(Continued)

ALT. SOURCE DIRECTORY

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
♦ MC2156	Lansdale	ML2156	
♦ MC2157	Lansdale	ML2157	
♦ MC2161	Lansdale	ML2161	
♦ MC2162	Lansdale	ML2162	
♦ MC2163	Lansdale	ML2163	
♦ MC2165	Lansdale	ML2165	
♦ MC2166	Lansdale	ML2166	
♦ MC2168	Lansdale	ML2168	
♦ MC2173	Lansdale	ML2173	
♦ MC2174	Lansdale	ML2174	
♦ MC2175	Lansdale	ML2175	
♦ MC2176	Lansdale	ML2176	
♦ MC2178	Lansdale	ML2178	
♦ MC25482	Lansdale	ML25482	
MC26LS31	AMD	AM26LS31	
MC26LS32	AMD	AM26LS32	
MC26S10	AMD	AM26S10	
	National	DS26S10	
MC26S11	AMD	AM26S11	
MC2661	Signetics	SCN2661	
	SMC	COM2661	
MC2672B3P	Signetics	SCN2672C4	
MC2672B4P	Signetics	SCN2672C4	
MC2674B3P	Signetics	SCN2674BC4	
MC2674B4P	Signetics	SCN2674BC4	
MC2681	Exar	XR88C681	
	Signetics	SCN2681	
♦ MC27482	Lansdale	ML27482	
MC2902	AnalogSys	MA374	
♦ MC3000	**Lansdale**	**ML3000**	**(3552)**
	Rochester	RC3000	
♦ MC3001	**Lansdale**	**ML3001**	**(3552)**
	Rochester	RC3001	
♦ MC3002	**Lansdale**	**ML3002**	**(3552)**
♦ MC3003	Lansdale	ML3003	
♦ MC3004	**Lansdale**	**ML3004**	**(3552)**
	Rochester	RC3004	
♦ MC3005	**Lansdale**	**ML3005**	**(3552)**
	Rochester	RC3005	
♦ MC3006	**Lansdale**	**ML3006**	**(3552)**
	Rochester	RC3006	
♦ MC3007	**Lansdale**	**ML3007**	**(3552)**
♦ MC3008	**Lansdale**	**ML3008**	**(3552)**
	Rochester	RC3008	
♦ MC3009	**Lansdale**	**ML3009**	**(3552)**
	Rochester	RC3009	
♦ MC3010	**Lansdale**	**ML3010**	**(3552)**
	Rochester	RC3010	
♦ MC3011	**Lansdale**	**ML3011**	**(3552)**
	Rochester	RC3011	
♦ MC3012	**Lansdale**	**ML3012**	**(3552)**
	Rochester	RC3012	
♦ MC3015	**Lansdale**	**ML3015**	**(3552)**
	Rochester	RC3015	
♦ MC3016	**Lansdale**	**ML3016**	**(3552)**
	Rochester	RC3016	
♦ MC3018	Lansdale	ML3018	
	Rochester	RC3018	
♦ MC3019	Lansdale	ML3019	
	Rockwell	RC3019	
♦ MC3020	**Lansdale**	**ML3020**	**(3552)**
	Rochester	RC3020	
♦ MC3021	**Lansdale**	**ML3021**	**(3552)**
♦ MC3022	**Lansdale**	**ML3022**	**(3552)**
♦ MC3023	**Lansdale**	**ML3023**	**(3552)**
	Rochester	RC3023	
♦ MC3024	**Lansdale**	**ML3024**	**(3552)**
	Rochester	RC3024	
♦ MC3025	**Lansdale**	**ML3025**	**(3552)**
♦ MC3026	**Lansdale**	**ML3026**	**(3552)**
♦ MC3029	**Lansdale**	**ML3029**	**(3552)**
♦ MC3030	Lansdale	ML3030	
	Rochester	RC3030	
♦ MC3031	**Lansdale**	**ML3031**	**(3552)**
	Rochester	RC3031	
♦ MC3032	Lansdale	ML3032	
	Rochester	RC3032	
♦ MC3033	Lansdale	ML3033	
	Rochester	RC3033	
♦ MC3034	Lansdale	ML3034	
	Rochester	RC3034	
MC3046	GEC Plessey	SL3046	
♦ MC3050	Lansdale	ML3050	
♦ MC3051	**Lansdale**	**ML3051**	**(3552)**
♦ MC3052	**Lansdale**	**ML3052**	**(3552)**
	Rochester	9001	
♦ MC3053	Lansdale	ML3053	
♦ MC3054	Lansdale	ML3054	
	Rochester	RC3054	
♦ MC3055	Lansdale	ML3055	
	Rochester	RC3055	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ MC3060	**Lansdale**	**ML3060**	**(3552)**
	Rochester	RC3060	
♦ MC3061	**Lansdale**	**ML3061**	**(3552)**
♦ MC3062	**Lansdale**	**ML3062**	**(3552)**
♦ MC3063	Lansdale	ML3063	
	Rochester	RC3063	
♦ MC3064	Lansdale	ML3064	
♦ MC3100	**Lansdale**	**ML3100**	**(3552)**
♦ MC3101	**Lansdale**	**ML3101**	**(3552)**
♦ MC3102	**Lansdale**	**ML3102**	**(3552)**
♦ MC3103	**Lansdale**	**ML3103**	**(3552)**
♦ MC3104	**Lansdale**	**ML3104**	**(3552)**
	Rochester	RC3104	
♦ MC3105	**Lansdale**	**ML3105**	**(3552)**
	Rochester	RC3105	
♦ MC3106	**Lansdale**	**ML3106**	**(3552)**
	Rochester	RC3106	
♦ MC3107	**Lansdale**	**ML3107**	**(3552)**
♦ MC3108	**Lansdale**	**ML3108**	**(3552)**
	Rochester	RC3108	
♦ MC3109	**Lansdale**	**ML3109**	**(3552)**
	Rochester	RC3109	
♦ MC3110	**Lansdale**	**ML3110**	**(3552)**
	Rochester	RC3110	
♦ MC3111	**Lansdale**	**ML3111**	**(3552)**
	Rochester	RC3111	
♦ MC3112	**Lansdale**	**ML3112**	**(3552)**
	Rochester	RC3112	
♦ MC3115	**Lansdale**	**ML3115**	**(3552)**
	Rochester	RC3115	
♦ MC3116	**Lansdale**	**ML3116**	**(3552)**
	Rochester	RC3116	
♦ MC3118	Lansdale	ML3118	
	Rochester	RC3118	
♦ MC3119	Lansdale	ML3119	
	Rochester	RC3119	
♦ MC3120	**Lansdale**	**ML3120**	**(3552)**
	Rochester	RC3120	
♦ MC3121	**Lansdale**	**ML3121**	**(3552)**
♦ MC3122	**Lansdale**	**ML3122**	**(3552)**
♦ MC3123	**Lansdale**	**ML3123**	**(3552)**
	Rochester	RC3123	
♦ MC3124	**Lansdale**	**ML3124**	**(3552)**
	Rochester	RC3124	
♦ MC3125	**Lansdale**	**ML3125**	**(3552)**
♦ MC3126	**Lansdale**	**ML3126**	**(3552)**
♦ MC3128	**Lansdale**	**ML3128**	**(3552)**
♦ MC3129	**Lansdale**	**ML3129**	**(3552)**
♦ MC3130	Lansdale	ML3130	
	Rochester	RC3130	
♦ MC3131	**Lansdale**	**ML3131**	**(3552)**
	Rochester	RC3131	
♦ MC3132	**Lansdale**	**ML3132**	**(3552)**
	Rochester	RC3132	
♦ MC3133	Lansdale	ML3133	
	Rochester	RC3133	
♦ MC3134	Lansdale	ML3134	
	Rochester	RC3134	
♦ MC3150	Lansdale	ML3150	
♦ MC3151	**Lansdale**	**ML3151**	**(3552)**
♦ MC3152	**Lansdale**	**ML3152**	**(3552)**
	Rochester	9001	
♦ MC3153	Lansdale	ML3153	
♦ MC3154	Lansdale	ML3154	
	Rochester	RC3154	
♦ MC3155	Lansdale	ML3155	
	Rochester	RC3155	
♦ MC3160	**Lansdale**	**ML3160**	**(3552)**
	Rochester	RC3160	
♦ MC3161	**Lansdale**	**ML3161**	**(3552)**
♦ MC3162	**Lansdale**	**ML3162**	**(3552)**
♦ MC3163	Lansdale	ML3163	
	Rochester	RC3163	
♦ MC3164	Lansdale	ML3164	
MC3301	National	LM3301	
MC3302	Harris	CA3290	
	National	LM3302	
	SGS-Thomson		
		MC3302	
	Signetics	MC3302	
MC3303	AD	OP421	
	AnalogSys	MA374	
	Fujitsu	MB3615	
		MB3615M	
		MB3615PF	
	Harris	**CA5470**	**(3508)**
	Samsung	MC3303	
	SGS-Thomson		
		MC3303	
	TI	MC3303	
MC33071	Harris	CA3140	
MC33072	Elantec	EL2242	
	Harris	CA3240	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MC33074	AnalogSys	MA374	
MC33078	**AD**	**SSM2139**	**(3337, 3343, 3354)**
MC33079	AD	OP471	
MC33084	AnalogSys	MA374	
MC3346	Allegro		
	Micro	ULN2046	
	GEC Plessey	SL3145	
	Harris	CA3046	
MC3358	AD	OP221	
	AnalogSys	MA372	
MC3359	Allegro		
	Micro	ULN3859	
	GEC Plessey	SL6652	
		SL6654	
		SL6655	
MC3361	GEC Plessey	SL6652	
		SL6654	
		SL6655	
	National	LM3361	
	Samsung	MC3361	
	Signetics	MC3361	
MC3367	GEC Plessey	SL6652	
		SL6654	
		SL6655	
MC3386	Allegro		
	Micro	ULN2086	
MC34001	AD	OP15	
	AnalogSys	MA332	
		MA333	
		MA362	
	Harris	CA3140	
	National	LF351	
	SGS-Thomson		
		MC34001	
	TI	LF351	
		TL071	
MC34002	AD	OP215	
	AnalogSys	MA336	
		MA372	
	Harris	CA3240	
		CA34002	
	National	LF353	
		LF412	
	SGS-Thomson		
		MC34002	
	TI	LF353	
		TL072	
MC34004	AnalogSys	MA374	
	National	LF147	
		LF347	
	SGS-Thomson		
		MC34004	
	TI	LF347	
		TL074	
MC3401	Harris	CA3401	
	National	LM3401	
MC34012	Samsung	KA2418	
MC34017	Cherry Semi	CS34017	
	Samsung	KA2418	
MC3403	AD	OP421	
	AnalogSys	MA374	
	Harris	**CA5470**	**(3508)**
	Raytheon	RC3403A	
	SGS-Thomson		
		MC3403	
	Signetics	MC3403	
	TI	MC3403	
		RC4136	
MC3405	AnalogSys	MA374	
MC34060	TI	MC34060	
MC34063	Samsung	KA34063	
MC34065P	Cherry Semi	CS3865N	
MC34071	Harris	CA3140	
MC34072	Exar	XR34072	
	Harris	CA3240	
MC34074	AnalogSys	MA374	
	Exar	XR34074	
MC3410	AD	DAC10	
	National	DAC1020	
	Signetics	MC3410	
MC34119	Samsung	KA8602	
MC3412	Harris	HI565	
	National	DAC1265	
MC34151	Harris	ICL7667	
MC3416	Raytheon	RC4444	
MC34166	LinearTech	LT1074	
MC3423	TI	MC3423	
MC3430	National	DS3651	
MC3431	National	DS3651	
MC3432	National	DS3653	
MC3433	National	DS3653	
MC3437	National	DS8837	

Manufacturer Device	Replacement Source	Device	IC Master Page
MC3438	National	DS8838	
MC3448	AMD	MC3448	
MC3450	National	DS3650	
MC3452	National	DS3652	
MC3456	Harris	ICM7556	
	SGS-Thomson		
		NE556	
MC3458	AD	OP221	
	AnalogSys	MA336	
		MA372	
MC3470	TI	MC3470	
MC3471	Cherry Semi	CS3471	
MC3476	AD	OP22	
MC3479	Allegro		
	Micro	UCN5804	
MC3484	Cherry Semi	CS453	
MC3486	National	DS3486	
MC3487	National	DS3487	
MC3488	National	µA9636	
		DS9636	
MC3491	National	DS8889	
MC35001	AD	OP15	
	National	LF411	
MC35002	AD	OP215	
MC3503	AD	OP421	
	SGS-Thomson		
		MC3503	
MC3510	AD	DAC10	
	National	DAC1020	
	Signetics	MC5410	
MC3556	Harris	ICM7556	
	SGS-Thomson		
		SE556	
MC3558	AD	OP221	
MC3590	Exar	XR6118	
♦ MC400	Lansdale	ML400	
♦ MC4000	Lansdale	ML4000	
♦ MC4001	Lansdale	ML4001	
♦ MC4002	Lansdale	ML4002	
♦ MC4005	Lansdale	ML4005	
♦ MC4006	Lansdale	ML4006	
		ML4007	
♦ MC4008	Lansdale	ML4008	
♦ MC401	Lansdale	ML401	
♦ MC4012	Lansdale	ML4012	
♦ MC4015	Lansdale	ML4015	
♦ MC4016	Lansdale	ML4016	
♦ MC4017	Lansdale	ML4017	
♦ MC4018	Lansdale	ML4018	
♦ MC4019	Lansdale	ML4019	
♦ MC402	Lansdale	ML402	
♦ MC4021	Lansdale	ML4021	
♦ MC4022	Lansdale	ML4022	
♦ MC4023	Lansdale	ML4023	
♦ MC4026	Lansdale	ML4026	
♦ MC4028	Lansdale	ML4028	
♦ MC4029	Lansdale	ML4029	
♦ MC403	Lansdale	ML403	
♦ MC4030	Lansdale	ML4030	
♦ MC4032	Lansdale	ML4032	
♦ MC4035	Lansdale	ML4035	
♦ MC4037	Lansdale	ML4037	
♦ MC4038	Lansdale	ML4038	
♦ MC4039	Lansdale	ML4039	
♦ MC404	Lansdale	ML404	
♦ MC4040	Lansdale	ML4040	
♦ MC4041	Lansdale	ML4041	
♦ MC4042	Lansdale	ML4042	
♦ MC4043	Lansdale	ML4043	
♦ MC4048	Lansdale	ML4048	
♦ MC405	Lansdale	ML405	
♦ MC4050	Lansdale	ML4050	
♦ MC4051	Lansdale	ML4051	
♦ MC4052	Lansdale	ML4052	
♦ MC4053	Lansdale	ML4053	
♦ MC4054	Lansdale	ML4054	
♦ MC4055	Lansdale	ML4055	
♦ MC4056	Lansdale	ML4056	
♦ MC4058	Lansdale	ML4058	
♦ MC406	Lansdale	ML406	
♦ MC4060	Lansdale	ML4060	
♦ MC4062	Lansdale	ML4062	
♦ MC4064	Lansdale	ML4064	
♦ MC407	Lansdale	ML407	
♦ MC4078	Lansdale	ML4078	
♦ MC408	Lansdale	ML408	
♦ MC409	Lansdale	ML409	
♦ MC410	Lansdale	ML410	
♦ MC411	Lansdale	ML111	
♦ MC412	Lansdale	ML412	
♦ MC413	Lansdale	ML413	
♦ MC414	Lansdale	ML414	
♦ MC415	Lansdale	ML415	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
♦ MC416	Lansdale	ML416	
♦ MC419	Lansdale	ML419	
♦ MC420	Lansdale	ML420	
♦ MC421	Lansdale	ML421	
♦ MC422	Lansdale	ML422	
♦ MC423	Lansdale	ML423	
♦ MC424	Lansdale	ML424	
♦ MC425	Lansdale	ML425	
♦ MC426	Lansdale	ML426	
♦ MC427	Lansdale	ML427	
♦ MC428	Lansdale	ML428	
♦ MC429	Lansdale	ML429	
♦ MC4300	Lansdale	ML4300	
♦ MC4301	Lansdale	ML4301	
♦ MC4302	Lansdale	ML4302	
♦ MC4304	Lansdale	ML4304	
♦ MC4305	Lansdale	ML4305	
♦ MC4306	Lansdale	ML4306	
♦ MC4307	Lansdale	ML4307	
♦ MC4308	Lansdale	ML4308	
♦ MC4310	Lansdale	ML4310	
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	Panasonic	AN4558	
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	Raytheon	RC4558	
		RC4559	
	Samsung	MC4558	
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	Signetics	NE4558	
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MC54F132	National	54F132	
MC54F138	National	54F138	
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MC54F153	National	54F153	
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	Signetics	54F244	
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	Signetics	54F280	
	TI	SN54F280B	
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♦ MC54F623	National	54F623	
	TI	SN54F623	
MC54F64	National	54F64	
	Signetics	54F64	
	TI	SN54F64	
MC54F657A	Motorola	MC54F657B	
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	Signetics	54F657	
MC54F657B	Motorola	MC54F657A	
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	Signetics	54F657	
MC54F74	National	54F74	
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MC54F828	National	54F828	
MC54F86	National	54F86	
	Signetics	54F86	
MC54HCT00A	Harris	CD54HCT00	
	National	MM54HCT00	
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	TI	SN54HCT04	
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	TI	SN54HCT04	
♦ MC54HCT05	National	MM54HCT05	
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MC54HCT138A			
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	Harris	CD54HCT138	
	National	MM54HCT138	
	TI	SN54HCT138	
MC54HCT14A	Harris	CD54HCT14	
MC54HCT157A			
	Harris	CD54HCT157	
	National	MM54HCT157	
MC54HCT174A			
	Harris	CD54HCT174	
MC54HCT240A			
	GEC Plessey	54HCT240SOS	
	Harris	CD54HCT240	
	National	MM54HCT240	
	Signetics	54HCT240	
	TI	SN54HCT240	
MC54HCT241A			
	GEC Plessey	54HCT241SOS	
	Harris	CD54HCT241	
	National	MM54HCT241	
	TI	SN54HCT241	
MC54HCT244A			
	GEC Plessey	54HCT244SOS	
	Harris	CD54HCT244	
	National	MM54HCT244	
	Signetics	54HCT244	
	TI	SN54HCT244	
MC54HCT245A			
	GEC Plessey	54HCT245SOS	
	Harris	CD54HCT245	
	National	MM54HCT245	
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	National	MM54HCT32	
MC54HCT373A			
	GEC Plessey	54HCT373SOS	
	Harris	CD54HCT373	
	National	MM54HCT373	
	TI	SN54HCT373	
MC54HCT374A			
	GEC Plessey	54HCT374SOS	
	Harris	CD54HCT374	
	National	MM54HCT374	
	TI	SN54HCT374	
MC54HCT533A			
	GEC Plessey	54HCT533SOS	
	Harris	CD54HCT533	
	National	MM54HCT533	
MC54HCT534A			
	GEC Plessey	54HCT534SOS	
	Harris	CD54HCT534	
	National	MM54HCT534	
MC54HCT540	GEC Plessey	54HCT540SOS	
	Harris	CD54HCT540	
	National	MM54HCT540	
	TI	SN54HCT540	
MC54HCT573A			
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	Harris	CD54HCT573	
MC54HCT574A			
	GEC Plessey	54HCT574SOS	
	Harris	CD54HCT574	
MC54HCT640A			
	Harris	CD54HCT640	
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MC54HC02A	Harris	CD54HC02	
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MC54HC08A	Harris	CD54HC08	
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MC54HC125A	Harris	CD54HC125	
	National	MM54HC125	
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MC54HC126A	Harris	CD54HC126	
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MC54HC132A	Harris	CD54HC132	
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MC54HC137	Harris	CD54HC137	
	National	MM54HC137	
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MC54HC138A	Harris	CD54HC138	
	National	MM54HC138	
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MC54HC14A	Harris	CD54HC14	
	National	MM54HC14	
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	Signetics	54HC240	
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	National	MM54HC244	
	Signetics	54HC244	
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MC54HC266	National	MM54HC266	
	TI	SN54HC266	
MC54HC27	Harris	CD54HC27	
	National	MM54HC27	
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MC54HC280	Harris	CD54HC280	
	National	MM54HC280	
	TI	SN54HC280	

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	National	MM54HC283	
♦ MC54HC298	National	MM54HC298	
MC54HC299	Harris	CD54HC299	
	National	MM54HC299	
MC54HC30	Harris	CD54HC30	
	National	MM54HC30	
	TI	SN54HC30	
MC54HC32A	Harris	CD54HC32	
	National	MM54HC32	
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MC54HC354	Harris	CD54HC354	
	National	MM54HC354	
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MC54HC365	Harris	CD54HC365	
	National	MM54HC365	
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	TI	SN54HC366	
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	National	MM54HC367	
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MC54HC368	Harris	CD54HC368	
	National	MM54HC368	
	TI	SN54HC368	
MC54HC373A	Harris	CD54HC373	
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	National	MM54HC374	
	TI	SN54HC374	
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MC54HC390	Harris	CD54HC390	
	National	MM54HC390	
	TI	SN54HC390	
MC54HC393	Harris	CD54HC393	
	National	MM54HC393	
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	National	MM54HC4002	
	TI	SN54HC4002	
MC54HC4016	National	MM54HC4016	
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MC54HC4017	Harris	CD54HC4017	
	National	MM54HC4017	
MC54HC4024	Harris	CD54HC4024	
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	Harris	CD54HC4046	
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	National	MM54HC4049	
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MC54HC4078	National	MM54HC4078	
	TI	SN54HC4078A	
MC54HC42	Harris	CD54HC42	
	National	MM54HC42	
	TI	SN54HC42	
♦ MC54HC423A	Harris	CD54HC423	
	National	MM54HC423A	
MC54HC4316	National	MM54HC4316	
MC54HC4511	Harris	CD54HC4511	
	National	MM54HC4511	
MC54HC4514	Harris	CD54HC4514	
	National	MM54HC4514	
♦ MC54HC4515	Harris	CD54HC4515	
♦ MC54HC4518	Harris	CD54HC4518	
MC54HC4538A			
	Harris	CD54HC4538	
	National	MM54HC4538	
♦ MC54HC4543	Harris	CD54HC4543	
	National	MM54HC4543	
MC54HC51	National	MM54HC51	
	TI	SN54HC51	

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MC54HC533A	Harris	CD54HC533	
	National	MM54HC533	
	TI	SN54HC533	
MC54HC534A	Harris	CD54HC534	
	National	MM54HC534	
	TI	SN54HC534	
MC54HC540	Harris	CD54HC540	
	National	MM54HC540	
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MC54HC541	Harris	CD54HC541	
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MC54HC563	Harris	CD54HC563	
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MC54HC564	Harris	CD54HC564	
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	TI	SN54HC573	
MC54HC574A	Harris	CD54HC574	
	National	MM54HC574	
	TI	SN54HC574	
MC54HC58	National	MM54HC58	
MC54HC589	National	MM54HC589	
♦ MC54HC590A	TI	SN54HC590A	
MC54HC597	Harris	CD54HC597	
	National	MM54HC597	
♦ MC54HC620	National	MM54HC620	
	TI	SN54HC620	
♦ MC54HC623	National	MM54HC623	
	TI	SN54HC623	
MC54HC640A	Harris	CD54HC640	
	National	MM54HC640	
	TI	SN54HC640	
♦ MC54HC643	Harris	CD54HC643	
	National	MM54HC643	
	TI	SN54HC643	
MC54HC646	Harris	CD54HC646	
	National	MM54HC646	
MC54HC648	Harris	CD54HC648	
	National	MM54HC648	
♦ MC54HC651	Harris	CD54HC651	
♦ MC54HC652	Harris	CD54HC652	
MC54HC688	Harris	CD54HC688	
	National	MM54HC688	
	TI	SN54HC688	
MC54HC7266	Harris	CD54HC7266	
	National	MM54HC7266	
MC54HC73	Harris	CD54HC73	
	National	MM54HC73	
MC54HC74A	Harris	CD54HC74	
	National	MM54HC74	
	TI	SN54HC74	
MC54HC75	Harris	CD54HC75	
	National	MM54HC75	
	TI	SN54HC75	
MC54HC76	National	MM54HC76	
MC54HC85	Harris	CD54HC85	
	National	MM54HC85	
	TI	SN54HC85A	
MC54HC86	Harris	CD54HC86	
	National	MM54HC86	
	TI	SN54HC86	
♦ MC54H00	Lansdale	ML54H00	
		SL54H00	
♦ MC54H00	Rochester	54H00	
♦ MC54H01	Lansdale	ML54H01	
		SL54H01	
♦ MC54H01	Rochester	54H01	
♦ MC54H02	Lansdale	ML54H02	
♦ MC54H04	Lansdale	ML54H04	
	Rochester	54H04	
♦ MC54H05	Lansdale	ML54H05	
	Rochester	54H05	
♦ MC54H08	Lansdale	ML54H08	
		SL54H08	
♦ MC54H08	Rochester	54H08	
♦ MC54H10	Lansdale	ML54H10	
		SL54H10	
♦ MC54H10	Rochester	54H10	
♦ MC54H101	Lansdale	ML54H101	
		SL54H101	
♦ MC54H101	Rochester	54H101	
♦ MC54H102	Lansdale	ML54H102	
		SL54H102	
♦ MC54H102	Rochester	54H102	
♦ MC54H103	Lansdale	ML54H103	
		SL54H103	
♦ MC54H103	Rochester	54H103	
♦ MC54H108	Rochester	54H108	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
♦ MC54H11	Lansdale	ML54H11	
		SL54H11	
♦ MC54H11	Rochester	54H11	
♦ MC54H116	Lansdale	ML54H116	
♦ MC54H117	Lansdale	ML54H117	
♦ MC54H119	Lansdale	ML54H119	
♦ MC54H12	Lansdale	ML54H12	
♦ MC54H120	Lansdale	ML54H120	
♦ MC54H20	Lansdale	ML54H20	
		SL54H20	
♦ MC54H20	Rochester	54H20	
♦ MC54H21	Lansdale	ML54H21	
		SL54H21	
♦ MC54H21	Rochester	54H21	
♦ MC54H22	Lansdale	ML54H22	
		SL54H22	
♦ MC54H22	Rochester	54H22	
♦ MC54H28	Lansdale	ML54H28	
♦ MC54H29	Lansdale	ML54H29	
♦ MC54H30	Lansdale	ML54H30	
		SL54H30	
♦ MC54H30	Rochester	54H30	
♦ MC54H31	Lansdale	ML54H31	
♦ MC54H32	Lansdale	ML54H32	
		ML54H36	
♦ MC54H39	Lansdale	ML54H39	
♦ MC54H40	Lansdale	ML54H40	
		SL54H40	
♦ MC54H40	Rochester	54H40	
♦ MC54H50	Lansdale	ML54H50	
	Rochester	54H50	
♦ MC54H51	Lansdale	ML54H51	
	Rochester	54H51	
♦ MC54H52	Lansdale	ML54H52	
		SL54H52	
♦ MC54H52	Rochester	54H52	
♦ MC54H53	Lansdale	ML54H53	
		SL54H53	
♦ MC54H53	Rochester	54H53	
♦ MC54H54	Lansdale	ML54H54	
		SL54H54	
♦ MC54H54	Rochester	54H54	
♦ MC54H55	Lansdale	ML54H55	
		SL54H55	
♦ MC54H55	Rochester	54H55	
♦ MC54H60	Lansdale	ML54H60	
		ML54H61	
		SL54H60	
		SL54H61	
♦ MC54H60	Rochester	54H60	
♦ MC54H61	Rochester	54H61	
		54H62	
♦ MC54H62	Lansdale	ML54H62	
		SL54H62	
♦ MC54H71	Lansdale	ML54H71	
		SL54H71	
♦ MC54H71	Rochester	54H71	
♦ MC54H72	Lansdale	ML54H72	
		SL54H72	
♦ MC54H72	Rochester	54H72	
♦ MC54H73	Lansdale	ML54H73	
		SL54H73	
♦ MC54H73	Rochester	54H73	
♦ MC54H74	Lansdale	ML54H74	
		SL54H74	
♦ MC54H74	Rochester	54H74	
♦ MC54H86	Lansdale	ML54H86	
♦ MC54H87	Lansdale	ML54H87	
♦ MC54H89	Lansdale	ML54H89	
♦ MC5400	Lansdale	ML5400	
♦ MC5401	Lansdale	ML5401	
		SL5401	
♦ MC5402	Lansdale	ML5402	
		SL5402	
♦ MC5403	Lansdale	ML5403	
♦ MC5404	Lansdale	ML5404	
♦ MC5405	Lansdale	ML5405	
♦ MC5406	Lansdale	ML5406	
♦ MC5407	Lansdale	ML5407	
♦ MC5408	Lansdale	ML5408	
♦ MC5409	Lansdale	ML5409	
		SL5409	
♦ MC5410	Lansdale	ML5410	
♦ MC54100	Lansdale	ML54100	
		ML54111	
		SL54100	
♦ MC5412	Lansdale	ML5412	
♦ MC54120	Lansdale	ML54120	
♦ MC54121	Lansdale	ML54121	
♦ MC54122	Lansdale	ML54122	
♦ MC54123	Lansdale	ML54123	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ MC54128	Lansdale	ML54128	
♦ MC5413	Lansdale	ML5413	
♦ MC54132	Lansdale	ML54132	
♦ MC54136	Lansdale	ML54136	
♦ MC5414	Lansdale	ML5414	
♦ MC54141	Lansdale	ML54141	
♦ MC54145	Lansdale	ML54145	
♦ MC54150	Lansdale	ML54150	
♦ MC54151	Lansdale	ML54151	
♦ MC54152	Lansdale	ML54152	
		SL54152	
♦ MC54153	Lansdale	ML54153	
♦ MC54154	Lansdale	ML54154	
♦ MC54155	Lansdale	ML54155	
♦ MC54156	Lansdale	ML54156	
♦ MC5416	Lansdale	ML5416	
♦ MC54160	Lansdale	ML54160	
♦ MC54161	Lansdale	ML54161	
♦ MC54162	Lansdale	ML54162	
♦ MC54163	Lansdale	ML54163	
♦ MC54164	Lansdale	ML54164	
♦ MC54165	Lansdale	ML54165	
♦ MC54166	Lansdale	ML54166	
♦ MC54167	Lansdale	ML54167	
♦ MC5417	Lansdale	ML5417	
♦ MC54174	Lansdale	ML54174	
♦ MC54175	Lansdale	ML54175	
♦ MC54176	Lansdale	ML54176	
♦ MC54177	Lansdale	ML54177	
♦ MC54178	Lansdale	ML54178	
♦ MC54179	Lansdale	ML54179	
♦ MC54180	Lansdale	ML54180	
♦ MC54181	Lansdale	ML54181	
♦ MC54182	Lansdale	ML54182	
		SL54182	
♦ MC54190	Lansdale	ML54190	
♦ MC54191	Lansdale	ML54191	
♦ MC54192	Lansdale	ML54192	
♦ MC54193	Lansdale	ML54193	
♦ MC54194	Lansdale	ML54194	
♦ MC54195	Lansdale	ML54195	
♦ MC54197	Lansdale	ML54197	
♦ MC54198	Lansdale	ML54198	
		SL54198	
♦ MC54199	Lansdale	ML54199	
♦ MC5420	Lansdale	ML5420	
♦ MC5423	Lansdale	ML5423	
♦ MC5425	Lansdale	ML5425	
♦ MC5426	Lansdale	ML5426	
♦ MC5427	Lansdale	ML5427	
♦ MC54279	Lansdale	ML54279	
♦ MC5428	Lansdale	ML5428	
♦ MC54290	Lansdale	ML54240	
♦ MC54293	Lansdale	ML54293	
♦ MC54298	Lansdale	ML54298	
♦ MC5430	Lansdale	ML5430	
♦ MC5437	Lansdale	ML5437	
♦ MC5438	Lansdale	ML5438	
♦ MC5440	Lansdale	ML5440	
♦ MC5441	Lansdale	ML5441	
♦ MC5442	Lansdale	ML5442	
♦ MC5443	Lansdale	ML5443	
♦ MC5444	Lansdale	ML5444	
♦ MC5445	Lansdale	ML5445	
♦ MC5446	Lansdale	ML5446	
♦ MC5447	Lansdale	ML5447	
		SL5447	
♦ MC5448	Lansdale	ML5448	
		SL5448	
♦ MC5449	Lansdale	ML5449	
♦ MC5450	Lansdale	ML5450	
♦ MC5451	Lansdale	ML5451	
♦ MC5453	Lansdale	ML5453	
		SL5453	
♦ MC5454	Lansdale	ML5454	
		SL5454	
♦ MC5460	Lansdale	ML5460	
		SL5460	
♦ MC5470	Lansdale	ML5470	
		SL5470	
♦ MC5472	Lansdale	ML5472	
		SL5472	
♦ MC5473	Lansdale	ML5473	
♦ MC5475	Lansdale	ML5475	
♦ MC5476	Lansdale	ML5476	
♦ MC5477	Lansdale	ML5477	
♦ MC5479	Lansdale	ML5479	
♦ MC5481	Lansdale	ML5481	
♦ MC5483	Lansdale	ML5483	
♦ MC5484	Lansdale	ML5484	
♦ MC5485	Lansdale	ML5485	
♦ MC5486	Lansdale	ML5486	
♦ MC5490	Lansdale	ML5490	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ MC5491	Lansdale	ML5491	
♦ MC5492	Lansdale	ML5492	
♦ MC5493	Lansdale	ML5493	
♦ MC5494	Lansdale	ML5494	
♦ MC5495	Lansdale	ML5495	
♦ MC5496	Lansdale	ML5496	
♦ MC5497	Lansdale	ML5497	
♦ MC550	Lansdale	ML550	
♦ MC551	Lansdale	ML551	
♦ MC552	Lansdale	ML552	
♦ MC553	Lansdale	ML553	
MC5539	Signetics	NE5539	
♦ MC554	Lansdale	ML554	
♦ MC555	Lansdale	ML555	
♦ MC556	Lansdale	ML556	
♦ MC557	Lansdale	ML557	
♦ MC558	Lansdale	ML558	
♦ MC560	Lansdale	ML560	
♦ MC562	Lansdale	ML562	
♦ MC563	Lansdale	ML563	
♦ MC564	Lansdale	ML564	
♦ MC565	Lansdale	ML565	
♦ MC566	Lansdale	ML566	
♦ MC569	Lansdale	ML569	
♦ MC570	Lansdale	ML570	
♦ MC571	Lansdale	ML571	
♦ MC572	Lansdale	ML572	
♦ MC573	Lansdale	ML573	
♦ MC574	Lansdale	ML574	
♦ MC575	Lansdale	ML575	
♦ MC576	Lansdale	ML576	
♦ MC577	Lansdale	ML577	
♦ MC578	Lansdale	ML578	
♦ MC579	Lansdale	ML579	
MC6108	GEC Plessey	ZN427	
MC6287	Performance	P4C187	
♦ MC660	Lansdale	ML660	
♦ MC661	Lansdale	ML661	
♦ MC662	Lansdale	ML662	
♦ MC663	Lansdale	ML663	
♦ MC664	Lansdale	ML664	
♦ MC665	Lansdale	ML665	
♦ MC666	Lansdale	ML6666	
♦ MC667	Lansdale	ML667	
		ML677	
♦ MC668	Lansdale	ML668	
♦ MC669	Lansdale	ML669	
♦ MC670	Lansdale	ML670	
♦ MC671	Lansdale	ML671	
♦ MC672	Lansdale	ML672	
♦ MC673	Lansdale	ML673	
♦ MC674	Lansdale	ML674	
♦ MC675	Lansdale	ML675	
♦ MC676	Lansdale	ML676	
♦ MC678	Lansdale	ML678	
♦ MC679	Lansdale	ML679	
MC68A00	Micro-C	68A00	
MC68A02	Micro-C	68A02	
MC68A03	Micro-C	68A03	
MC68A09	Micro-C	68A09	
MC68A21	Micro-C	68A21	
MC68A40	Micro-C	68A40	
MC68A44	Micro-C	68A44	
MC68A50	Micro-C	68A50	
MC68A52	Micro-C	68A52	
MC68A54	Micro-C	68A54	
MC68B00	Micro-C	68B00	
MC68B02	Micro-C	68B02	
MC68B03	Micro-C	68B03	
MC68B09	Micro-C	68B09	
MC68B40	Micro-C	68B40	
MC68B44	Micro-C	68B44	
MC68B45	Micro-C	68B45	
MC68B488	SMC	COM7210	
MC68B50	Micro-C	68B50	
MC68B54	Micro-C	68B54	
MC68B701	Micro-C	68B701	
MC68HC000	Micro-C	68HC000	
MC68HC06	Hitachi	HD6305	
MC68HC11	Hitachi	HD6301	
		HD647180	
	Micro-C	68HC11	
♦ MC680	Lansdale	ML680	
MC6800	Krueger	6800	
	Micro-C	6800	
MC68000	Micro-C	68000	
MC68000P10	Signetics	SCN68000C8N64	
MC68000P8	Signetics	SCN68000C8N64	
MC68008	Krueger	68008	
	Micro-C	68008	
MC68010	**Krueger**	**68010**	**(3548)**
	Micro-C	68010	
MC68012	Micro-C	68012	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC68020	**Krueger**	**68020**	**(3548)**
	Micro-C	68020	
MC6803	Micro-C	6803	
MC68030	Micro-C	68030	
MC6809	Krueger	6809	
	Micro-C	6809	
MC6809E	Krueger	6809E	
♦ MC681	Lansdale	ML681	
MC6810	Hughes	H1823	
♦ MC682	Lansdale	ML682	
MC6821	Micro-C	6821	
MC68211	Krueger	68211	
MC68230	Micro-C	68230	
♦ MC683	Lansdale	ML683	
♦ MC684	Lansdale	ML684	
MC6840	Micro-C	6840	
MC6844	Micro-C	6844	
MC68440	Micro-C	68440	
MC6845	Krueger	6845	
	SMC	CRT5037	
MC68450	Micro-C	68450	
MC68451	Micro-C	68451	
MC68452	Micro-C	68452	
♦ MC685	Lansdale	ML685	
MC6850	Micro-C	6850	
	Samsung	KS5824	
	SMC	COM8017	
MC6852	Micro-C	6852	
♦ MC686	Lansdale	ML686	
MC68605	Micro-C	68605	
MC68652	Micro-C	68652	
	Signetics	SCN68652	
MC68661	Micro-C	68661	
	Signetics	SCN68661	
MC68681	Micro-C	68681	
	Signetics	SCN68681	
MC68705	Micro-C	68705	
♦ MC688	Lansdale	ML688	
MC6880	National	DS8T26	
MC6882	Micro-C	6882	
MC68824	Micro-C	68824	
MC68851	Micro-C	68851	
MC68881	**Krueger**	**68881**	**(3548)**
	Micro-C	68881	
MC6889	National	DS8T28	
♦ MC689	Lansdale	ML689	
MC6890	GEC Plessey	ZN428	
		ZN558	
MC68901	Micro-C	68901	
♦ MC690	Lansdale	ML690	
♦ MC691	Lansdale	ML691	
♦ MC693	Lansdale	ML693	
♦ MC696	Lansdale	ML696	
♦ MC697	Lansdale	ML697	
♦ MC699	Lansdale	ML699	
♦ MC700	Rochester	900	
♦ MC701	Rochester	901	
♦ MC702	Rochester	902	
♦ MC703	Rochester	903	
♦ MC704	Rochester	904	
♦ MC705	Rochester	905	
♦ MC706	Rochester	906	
♦ MC707	Rochester	907	
♦ MC708	Rochester	908	
♦ MC709	Rochester	909	
♦ MC710	Rochester	910	
	Samsung	KA710	
♦ MC711	Rochester	911	
♦ MC712	Rochester	912	
♦ MC713	Rochester	913	
♦ MC714	Rochester	914	
♦ MC715	Rochester	915	
♦ MC716	Rochester	923	
♦ MC7200	Lansdale	ML7200	
♦ MC7201	Lansdale	ML7201	
♦ MC7202	Lansdale	ML7202	
♦ MC7203	Lansdale	ML7203	
♦ MC721	Rochester	921	
♦ MC7233	Lansdale	ML7233	
♦ MC7234	Lansdale	ML7234	
♦ MC7235	Lansdale	ML7235	
♦ MC7241	Lansdale	ML7241	
♦ MC7242	Lansdale	ML7242	
♦ MC7250	Lansdale	ML7250	
♦ MC7251	Lansdale	ML7251	
♦ MC7260	Lansdale	ML7260	
♦ MC7261	Lansdale	ML7261	
♦ MC7266	Lansdale	ML7266	
♦ MC7267	Lansdale	ML7267	
♦ MC727	Rochester	927	
♦ MC7270	Lansdale	ML7270	
♦ MC7271	Lansdale	ML7271	
♦ MC7280	Lansdale	ML7280	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
♦ MC7281	Lansdale	ML7281	
♦ MC7284	Lansdale	ML7284	
♦ MC7285	Lansdale	ML7285	
♦ MC7288	Lansdale	ML7288	
♦ MC7290	Lansdale	ML7290	
♦ MC7291	Lansdale	SL7291	
MC74ACT00	Harris	CD74ACT00	
	National	74ACT00	
	Toshiba	TC74ACT00	
MC74ACT02	Harris	CD74ACT02	
	Toshiba	TC74ACT02	
MC74ACT08	Harris	CD74ACT08	
	Toshiba	TC74ACT08	
MC74ACT10	Harris	CD74ACT10	
	Toshiba	TC74ACT10	
MC74ACT109	Harris	CD74ACT109	
	National	74ACT109	
	Toshiba	TC74ACT109	
MC74ACT138	Harris	CD74ACT138	
	National	74ACT138	
	Toshiba	TC74ACT138	
MC74ACT139	Harris	CD74ACT139	
	National	74ACT139	
	Toshiba	TC74ACT139	
MC74ACT14	National	74ACT14	
	Toshiba	TC74ACT14	
MC74ACT151	Harris	CD74ACT151	
	National	74ACT151	
	Toshiba	TC74ACT151	
MC74ACT153	Harris	CD74ACT153	
	National	74ACT153	
	Toshiba	TC74ACT153	
MC74ACT157	Harris	CD74ACT157	
	National	74ACT157	
	Toshiba	TC74ACT157	
MC74ACT158	Harris	CD74ACT158	
	National	74ACT158	
	Toshiba	TC74ACT158	
MC74ACT161	Harris	CD74ACT161	
	National	74ACT161	
	Toshiba	TC74ACT161	
MC74ACT163	Harris	CD74ACT163	
	National	74ACT163	
	Toshiba	TC74ACT163	
MC74ACT174	Harris	CD74ACT174	
	National	74ACT174	
	Toshiba	TC74ACT174	
MC74ACT240	Harris	CD74ACT240	
	National	74ACT240	
	Toshiba	TC74ACT240	
	VTC	V74ACT240	
MC74ACT241	Harris	CD74ACT241	
	National	74ACT241	
	Toshiba	TC74ACT241	
	VTC	V74ACT241	
MC74ACT244	Harris	CD74ACT244	
	National	74ACT244	
	Toshiba	TC74ACT244	
	VTC	V74ACT244	
MC74ACT245	Harris	CD74ACT245	
	National	74ACT245	
	Toshiba	TC74ACT245	
	VTC	V74ACT245	
MC74ACT251	Harris	CD74ACT251	
	National	74ACT251	
	Toshiba	TC74ACT251	
MC74ACT253	Harris	CD74ACT253	
	National	74ACT253	
MC74ACT257	Harris	CD74ACT257	
	National	74ACT257	
	Toshiba	TC74ACT257	
MC74ACT258	Harris	CD74ACT258	
	National	74ACT258	
	Toshiba	TC74ACT258	
MC74ACT273	Harris	CD74ACT273	
	National	74ACT273	
MC74ACT299	Harris	CD74ACT299	
	National	74ACT299	
MC74ACT32	Harris	CD74ACT32	
	National	74ACT32	
	Toshiba	TC74ACT32	
MC74ACT323	Harris	CD74ACT323	
	National	74ACT323	
MC74ACT350	National	74ACT350	
MC74ACT373	Harris	CD74ACT373	
	National	74ACT373	
	Toshiba	TC74ACT373	
	VTC	V74ACT373	
MC74ACT374	Harris	CD74ACT374	
	National	74ACT374	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC74ACT374			(Cont'd)
	Toshiba	TC74ACT374	
	VTC	V74ACT374	
MC74ACT377	National	74ACT377	
	Toshiba	TC74ACT377	
MC74ACT521	National	74ACT521	
	Toshiba	TC74ACT521	
MC74ACT533	Harris	CD74ACT533	
	Toshiba	TC74ACT533	
	VTC	V74ACT533	
MC74ACT534	Harris	CD74ACT534	
	National	74ACT534	
	Toshiba	TC74ACT534	
	VTC	V74ACT534	
MC74ACT540	Harris	CD74ACT540	
	National	74ACT540	
	Toshiba	TC74ACT540	
	VTC	V74ACT540	
MC74ACT541	Harris	CD74ACT541	
	National	74ACT541	
	Toshiba	TC74ACT541	
	VTC	V74ACT541	
MC74ACT563	Harris	CD74ACT563	
	National	74ACT563	
	Toshiba	TC74ACT563	
	VTC	V74ACT563	
MC74ACT564	Harris	CD74ACT564	
	National	74ACT564	
	Toshiba	TC74ACT564	
	VTC	V74ACT564	
MC74ACT573	Harris	CD74ACT573	
	National	74ACT573	
	Toshiba	TC74ACT573	
	VTC	V74ACT573	
MC74ACT574	Harris	CD74ACT574	
	National	74ACT574	
	Toshiba	TC74ACT574	
	VTC	V74ACT574	
MC74ACT620	VTC	V74ACT620	
MC74ACT623	Harris	CD74ACT623	
	VTC	V74ACT623	
MC74ACT640	Toshiba	TC74ACT640	
	VTC	V74ACT640	
MC74ACT643	VTC	V74ACT643	
MC74ACT648	Harris	CD74ACT648	
	Toshiba	TC74ACT648	
MC74ACT74	Harris	CD74ACT74	
	National	74ACT74	
	Toshiba	TC74ACT74	
MC74ACT825	National	74ACT825	
	Toshiba	TC74ACT825	
	VTC	V74ACT825	
MC74ACT843	National	74ACT843	
	Toshiba	TC74ACT843	
	VTC	V74ACT843	
MC74ACT845	National	74ACT845	
	VTC	V74ACT845	
MC74ACT86	Harris	CD74ACT86	
	Toshiba	TC74ACT86	
MC74AC00	Harris	CD74AC00	
	National	74AC00	
	Toshiba	TC74AC00	
MC74AC02	Harris	CD74AC02	
	National	74AC02	
	Toshiba	TC74AC02	
MC74AC04	Harris	CD74AC04	
	National	74AC04	
	Toshiba	TC74AC04	
MC74AC08	Harris	CD74AC08	
	National	74AC08	
	Toshiba	TC74AC08	
MC74AC10	Harris	CD74AC10	
	National	74AC10	
	Toshiba	TC74AC10	
MC74AC109	Harris	CD74AC109	
	National	74AC109	
	Toshiba	TC74AC109	
MC74AC11	National	74AC11	
	Toshiba	TC74AC11	
MC74AC138	Harris	CD74AC138	
	National	74AC138	
	Toshiba	TC74AC138	
MC74AC139	Harris	CD74AC139	
	National	74AC139	
	Toshiba	TC74AC139	
MC74AC14	National	74AC14	
	Toshiba	TC74AC14	
MC74AC151	Harris	CD74AC151	
	National	74AC151	
	Toshiba	TC74AC151	
MC74AC153	Harris	CD74AC153	
	National	74AC153	
	Toshiba	TC74AC153	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MC74AC157	Harris	CD74AC157	
	National	74AC157	
	Toshiba	TC74AC157	
MC74AC158	Harris	CD74AC158	
	National	74AC158	
	Toshiba	TC74AC158	
MC74AC160	Toshiba	TC74AC160	
MC74AC161	Harris	CD74AC161	
	National	74AC161	
	Toshiba	TC74AC161	
MC74AC162	Toshiba	TC74AC162	
MC74AC163	Harris	CD74AC163	
	National	74AC163	
	Toshiba	TC74AC163	
MC74AC174	Harris	CD74AC174	
	National	74AC174	
	Toshiba	TC74AC174	
MC74AC240	Harris	CD74AC240	
	National	74AC240	
	Toshiba	TC74AC240	
MC74AC241	Harris	CD74AC241	
	National	74AC241	
	Toshiba	TC74AC241	
MC74AC244	Harris	CD74AC244	
	National	74AC244	
	Toshiba	TC74AC244	
MC74AC245	Harris	CD74AC245	
	National	74AC245	
	Toshiba	TC74AC245	
MC74AC251	Harris	CD74AC251	
	National	74AC251	
	Toshiba	TC74AC251	
		74AC251	
MC74AC253	Harris	CD74AC253	
	National	74AC253	
	Toshiba	TC74AC253	
MC74AC257	Harris	CD74AC257	
	National	74AC257	
	Toshiba	TC74AC257	
MC74AC258	Harris	CD74AC258	
	National	74AC258	
	Toshiba	TC74AC258	
MC74AC273	Harris	CD74AC273	
	National	74AC273	
	Toshiba	TC74AC273	
MC74AC299	Harris	CD74AC299	
	National	74AC299	
	Toshiba	TC74AC299	
MC74AC32	Harris	CD74AC32	
	National	74AC32	
	Toshiba	TC74AC32	
♦ MC74AC323	Harris	CD74AC323	
	Toshiba	TC74AC323	
MC74AC350	National	74AC350	
MC74AC373	Harris	CD74AC373	
	National	74AC373	
	Toshiba	TC74AC373	
MC74AC374	Harris	CD74AC374	
	National	74AC374	
	Toshiba	TC74AC374	
MC74AC377	National	74AC377	
	Toshiba	TC74AC377	
MC74AC378	National	74AC378	
MC74AC521	National	74AC521	
	Toshiba	TC74AC521	
MC74AC533	Harris	CD74AC533	
	Toshiba	TC74AC533	
MC74AC534	Harris	CD74AC534	
	Toshiba	TC74AC534	
MC74AC540	Harris	CD74AC540	
	National	74AC540	
	Toshiba	TC74AC540	
MC74AC541	Harris	CD74AC541	
	National	74AC541	
	Toshiba	TC74AC541	
MC74AC563	Harris	CD74AC563	
	Toshiba	TC74AC563	
MC74AC564	Harris	CD74AC564	
	Toshiba	TC74AC564	
MC74AC573	Harris	CD74AC573	
	Toshiba	TC74AC573	
MC74AC574	Harris	CD74AC574	
	National	74AC574	
	Toshiba	TC74AC574	
MC74AC620	Toshiba	TC74AC620	
MC74AC623	Harris	CD74AC623	
	Toshiba	TC74AC623	
MC74AC640	Toshiba	TC74AC640	
MC74AC643	Toshiba	TC74AC643	
MC74AC646	Harris	CD74AC646	
	National	74AC646	
	Toshiba	TC74AC646	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC74AC648	Harris	CD74AC648	
	National	74AC648	
	Toshiba	TC74AC648	
MC74AC74	Harris	CD74AC74	
	National	74AC74	
	Toshiba	TC74AC74	
MC74AC825	National	74AC825	
	Toshiba	TC74AC825	
MC74AC843	National	74AC843	
	Toshiba	TC74AC843	
MC74AC845	National	74AC845	
MC74AC86	Harris	CD74AC86	
	National	74AC86	
	Toshiba	TC74AC86	
MC74F00	Mitsubishi	M74F00	
	National	74F00	
	Signetics	74F00	
	TI	SN74F00	
MC74F02	Mitsubishi	M74F02	
	National	74F02	
	Signetics	74F02	
	TI	SN74F02	
MC74F04	Mitsubishi	M74F04	
	National	74F04	
	Signetics	74F04	
	TI	SN74F04	
MC74F08	Mitsubishi	M74F08	
	National	74F08	
	Signetics	74F08	
	TI	SN74F08	
MC74F10	Mitsubishi	M74F10	
	National	74F10	
	Signetics	74F10	
	TI	SN74F10	
MC74F109	Mitsubishi	M74F109	
	National	74F109	
	Signetics	74F109	
	TI	SN74F109	
MC74F11	Mitsubishi	M74F11	
	National	74F11	
	Signetics	74F11	
	TI	SN74F11	
MC74F112	Mitsubishi	M74F112	
	National	74F112	
	Signetics	74F112	
	TI	SN74F112	
♦ MC74F113	National	74F113	
	Signetics	74F113	
	TI	SN74F113	
♦ MC74F114	National	74F114	
	Signetics	74F114	
	TI	SN74F114	
MC74F125	Mitsubishi	M74F125	
	National	74F125	
	Signetics	74F125	
	TI	SN74F125	
MC74F126	Signetics	74F126	
	TI	SN74F126	
MC74F13	National	74F13	
	Signetics	74F13	
MC74F132	National	74F132	
	Signetics	74F132	
MC74F138	Mitsubishi	M74F138	
	National	74F138	
	Signetics	74F138	
	TI	SN74F138	
MC74F139	Mitsubishi	M74F139	
	National	74F139	
	Signetics	74F139	
MC74F14	Mitsubishi	M74F14	
	National	74F14	
	Signetics	74F14	
MC74F148	National	74F148	
	Signetics	74F148	
	TI	SN74F148	
MC74F151	Mitsubishi	M74F151A	
	National	74F151	
	Signetics	N74F151	
		N74F151A	
		74F151	
	TI	SN74F151	
		SN74F151A	
MC74F153	Mitsubishi	M74F153	
	National	74F153	
	Signetics	74F153	
	TI	SN74F153	
MC74F157	Mitsubishi	M74F157A	
	Motorola	MC74F157A	
	National	74F157	
	Signetics	74F157	
	TI	SN74F157A	
MC74F157A	Mitsubishi	M74F157A	
	Motorola	MC74F157	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
MC74F157A			(Cont'd)
	National	74F157	
	Signetics	74F157	
	TI	SN74F157A	
MC74F158	Mitsubishi	M74F158A	
	Motorola	MC74F158A	
	National	74F158	
	Signetics	N74F158A	
		74F158	
	TI	SN74F158A	
MC74F158A	Mitsubishi	M74F158A	
	Motorola	MC74F158	
	National	74F158	
	Signetics	N74F158A	
		74F158	
	TI	SN74F158A	
MC74F160A	National	74F160A	
	Signetics	74F160A	
	TI	SN74F160A	
MC74F161A	Mitsubishi	M74F161A	
	National	74F161A	
	Signetics	74F161A	
	TI	SN74F161A	
MC74F162A	National	74F162A	
	Signetics	74F162A	
	TI	SN74F162A	
MC74F163A	Mitsubishi	M74F163A	
	National	74F163A	
	Signetics	74F163A	
	TI	SN74F163A	
MC74F164	Mitsubishi	M74F164	
	National	74F164	
		74F164A	
	Signetics	74F164	
MC74F168	National	74F168	
	Signetics	74F168	
	TI	SN74F168	
MC74F169	Mitsubishi	M74F169	
	National	74F169	
	Signetics	74F169	
	TI	SN74F169	
MC74F174	Mitsubishi	M74F174	
	National	74F174	
	Signetics	74F174	
	TI	SN74F174	
MC74F175	Mitsubishi	M74F175	
	National	74F175	
	Signetics	74F175	
	TI	SN74F175	
MC74F181	National	74F181	
	Signetics	74F181	
MC74F182	National	74F182	
	Signetics	74F182	
♦ MC74F190	National	74F190	
	Signetics	74F190	
	TI	SN74F190	
♦ MC74F191	National	74F191	
	Signetics	74F191	
	TI	SN74F191	
♦ MC74F192	National	74F192	
	Signetics	74F192	
	TI	SN74F192	
♦ MC74F193	National	74F193	
	Signetics	74F193	
	TI	SN74F193	
MC74F194	National	74F194	
	Signetics	74F194	
MC74F195	Signetics	74F195	
MC74F20	Mitsubishi	M74F20	
	National	74F20	
	Signetics	74F20	
	TI	SN74F20	
MC74F21	Motorola	MV74F21	
	TI	SN74F21	
MC74F240	Harris	CD74FCT240	
	Mitsubishi	M74F240	
	National	74F240	
	Signetics	74F240	
	TI	SN74F240	
MC74F241	Harris	CD74FCT241	
	Mitsubishi	M74F241	
	National	74F241	
	Signetics	74F241	
	TI	SN74F241	
MC74F242	National	74F242	
	Signetics	74F242	
	TI	SN74F242	
MC74F243	National	74F243	
	Signetics	74F243	
	TI	SN74F243	
MC74F244	Harris	CD74FCT244	
	Mitsubishi	M74F244	
	National	74F244	
	Signetics	74F244	
	TI	SN74F244	
MC74F245	Harris	CD74FCT245	
	Mitsubishi	M74F245	
	National	74F245	
	Signetics	74F245	
	TI	SN74F245	
MC74F251	Mitsubishi	M74F251A	
	National	74F251	
	Signetics	N74F251A	
		74F251	
	TI	SN74F251	
		SN74F251A	
MC74F253	Mitsubishi	M74F253	
	National	74F253	
	Signetics	74F253	
	TI	SN74F253	
MC74F256	National	74F256	
	Signetics	74F256	
MC74F257	Mitsubishi	M74F257A	
	Motorola	MC74F257A	
	National	74F257	
	Signetics	N74F257A	
		74F257	
	TI	SN74F257	
MC74F257A	Mitsubishi	M74F257A	
	Motorola	MC74F257	
	National	74F257	
	Signetics	N74F257A	
		74F257	
	TI	SN74F257	
MC74F258	Mitsubishi	M74F258A	
	Motorola	MC74F258A	
	National	74F258	
	Signetics	N74F258A	
		74F258	
	TI	SN74F258	
MC74F258A	Mitsubishi	M74F258A	
	Motorola	MC74F258	
	National	74F258	
	Signetics	N74F258A	
		74F258	
	TI	SN74F258	
MC74F259	National	74F259	
	Signetics	74F259	
♦ MC74F269	National	74F269	
	Signetics	74F269	
MC74F273	Harris	CD74FCT273	
	National	74F273	
	Signetics	74F273	
	TI	SN74F273	
MC74F280	Mitsubishi	M74F280	
	National	74F280	
	Signetics	74F280A	
		74F280B	
	TI	SN74F280A	
MC74F283	Mitsubishi	M74F283	
	National	74F283	
	Signetics	74F283	
	TI	SN74F283	
MC74F2960	AMD	AM2960	
	Motorola	MC74F2960A	
♦ MC74F2960-1x2	Motorola	MC74F2960	
		MC74F2960A	
MC74F2960A	Motorola	MC74F2960	
MC74F299	National	74F299	
	Signetics	74F299	
	TI	SN74F299	
MC74F32	Mitsubishi	M74F32	
	National	74F32	
	Signetics	74F32	
	TI	SN74F32	
MC74F323	National	74F323	
	Signetics	74F323	
	TI	SN74F323	
MC74F350	National	74F350	
	Signetics	74F350	
	TI	SN74F350	
MC74F352	Mitsubishi	M74F352	
	National	74F352	
	Signetics	74F352	
	TI	SN74F352	
MC74F353	Mitsubishi	M74F353	
	National	74F353	
	Signetics	74F353	
	TI	SN74F353	
MC74F365	National	74F365	
	Signetics	74F365	
			(Continued)
MC74F366	National	74F366	
	Signetics	74F366	
MC74F367	Signetics	74F367	
MC74F368	National	74F368	
	Signetics	74F368	
MC74F37	National	74F37	
	Signetics	74F37	
	TI	SN74F37	
MC74F373	Harris	CD74FCT373	
	Mitsubishi	M74F373	
	National	74F373	
	Signetics	74F373	
	TI	SN74F373	
MC74F374	Harris	CD74FCT374	
	Mitsubishi	M74F374	
	National	74F374	
	Signetics	74F374	
	TI	SN74F374	
MC74F377	Harris	CD74FCT377	
	National	74F377	
	Signetics	74F377	
	TI	SN74F377	
MC74F378	National	74F378	
	Signetics	74F378	
	TI	SN74F378	
MC74F379	National	74F379	
	Signetics	74F379	
	TI	SN74F379	
MC74F38	National	74F38	
	Signetics	74F38	
	TI	SN74F38	
MC74F381	National	74F381	
	Signetics	74F381	
	TI	SN74F381	
MC74F382	National	74F382	
	Signetics	74F382	
	TI	SN74F382	
MC74F398	National	74F398	
	Signetics	74F398	
MC74F399	National	74F399	
	Signetics	74F399	
MC74F40	National	74F40	
	Signetics	74F40	
	TI	SN74F40	
MC74F51	National	74F51	
	Signetics	74F51	
	TI	SN74F51	
MC74F521	Mitsubishi	M74F521	
	National	74F521	
	Signetics	74F521	
	TI	SN74F521	
MC74F533	Harris	CD74FCT533	
	National	74F533	
	Signetics	74F533	
	TI	SN74F533	
MC74F534	Harris	CD74FCT534	
	National	74F534	
	Signetics	74F534	
	TI	SN74F534	
MC74F537	National	74F537	
	Signetics	74F537	
MC74F538	National	74F538	
	Signetics	74F538	
MC74F539	National	74F539	
	Signetics	74F539	
MC74F543	Harris	CD74FCT543	
	Mitsubishi	M74F543	
	National	74F543	
	Signetics	74F543	
	TI	SN74F543	
MC74F579	National	74F579	
	Signetics	74F579	
MC74F620	National	74F620	
	Signetics	74F620	
	TI	SN74F620	
♦ MC74F621	Signetics	74F621	
	TI	SN74F621	
MC74F623	Harris	CD74FCT623	
	National	74F623	
	Signetics	74F623	
	TI	SN74F623	
MC74F64	National	74F64	
	Signetics	74F64	
	TI	SN74F64	
MC74F640	Signetics	74F640	
MC74F657A	Motorola	MC74F657B	
	National	74F657	
	Signetics	74F657	
	TI	SN74F657	
MC74F657B	Motorola	MC74F657A	
	National	74F657	
	Signetics	74F657	
	TI	SN74F657	
			(Continued)
MC74F74	Mitsubishi	M74F74	
	National	74F74	
	Signetics	74F74	
	TI	SN74F74	
MC74F779	National	74F779	
	Signetics	74F779	
MC74F827	Harris	CD74FCT827	
	National	74F827	
	Signetics	N74F827	
		74F827	
MC74F828	Harris	CD74FCT828	
	National	74F828	
	Signetics	N74F828	
		74F828	
MC74F85	Signetics	74F85	
MC74F86	Mitsubishi	M74F86	
	National	74F86	
	Signetics	74F86	
	TI	SN74F86	
♦ MC74HCT00	GoldStar	GD74HCT00	
	Harris	CD74HCT00	
	Mitsubishi	M74HCT00	
	Motorola	MC74HCT00A	
	National	MM74HCT00	
	Signetics	74HCT00	
	TI	SN74HCT00	
	Toshiba	TC74HCT00A	
MC74HCT00A	GoldStar	GD74HCT00	
	Harris	CD74HCT00	
	Mitsubishi	M74HCT00	
	National	MM74HCT00	
	Signetics	74HCT00	
	TI	SN74HCT00	
	Toshiba	TC74HCT00A	
♦ MC74HCT03	Harris	CD74HCT03	
	National	MM74HCT03	
	Signetics	74HCT03	
♦ MC74HCT04	GoldStar	GD74HCT04	
	Harris	CD74HCT04	
	Motorola	MC74HCT04A	
	National	MM74HCT04	
	SGS-Thomson		
		M74HCT04	
	Signetics	74HCT04	
	Toshiba	TC74HCT04A	
MC74HCT04A	GoldStar	GD74HCT04	
	Harris	CD74HCT04	
	National	MM74HCT04	
	SGS-Thomson		
		M74HCT04	
	Signetics	74HCT04	
	Toshiba	TC74HCT04A	
MC74HCT08A	GoldStar	GD74HCT08	
	Harris	CD74HCT08	
	National	MM74HCT08	
	Signetics	74HCT08	
	TI	SN74HCT08	
	Toshiba	TC74HCT08A	
MC74HCT138A			
	GEC Plessey	MV74HCT138	
		74HCT138	
	Harris	CD74HCT138	
	Hitachi	HD74HCT138	
	Mitsubishi	M74HCT138-1	
	National	MM74HCT138	
	SGS-Thomson		
		M74HCT138	
	Signetics	74HCT138	
	TI	SN74HCT138	
	Toshiba	TC74HCT138A	
MC74HCT14A	Harris	CD74HCT14	
	Signetics	74HCT14	
♦ MC74HCT157	GoldStar	GD74HCT157	
	Harris	CD74HCT157	
	Motorola	MC74HCT157A	
	National	MM74HCT157	
	SGS-Thomson		
		M74HCT157	
	Signetics	74HCT157	
	Toshiba	TC74HCT157A	
MC74HCT157A			
	GoldStar	GD74HCT157	
	Harris	CD74HCT157	
	National	MM74HCT157	
	SGS-Thomson		
		M74HCT157	
	Signetics	74HCT157	
	Toshiba	TC74HCT157A	
♦ MC74HCT158	Harris	CD74HCT158	
	National	MM74HCT158	
	SGS-Thomson		
		M74HCT158	
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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
♦ MC74HCT158			(Cont'd)
	Signetics	74HCT158	
	Toshiba	TC74HCT158A	
♦ MC74HCT166	Harris	CD74HCT166	
	National	MM74HCT166	
	Signetics	74HCT166	
MC74HCT174A			
	GoldStar	GD74HCT174	
	Harris	CD74HCT174	
	Signetics	74HCT174	
	Toshiba	TC74HCT174A	
MC74HCT240A			
	GEC Plessey	MV74HCT240	
		74HCT240	
	Harris	CD74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240	
		M74HCT240-1	
	National	MM74HCT240	
	SGS-Thomson		
		M74HCT240	
	Signetics	74HCT240	
	TI	SN74HCT240	
	Toshiba	TC74HCT240A	
MC74HCT241A			
	GEC Plessey	MV74HCT241	
		74HCT241	
	Harris	CD74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241	
		M74HCT241-1	
	National	MM74HCT241	
	SGS-Thomson		
		M74HCT241	
	Signetics	74HCT241	
	TI	SN74HCT241	
	Toshiba	TC74HCT241A	
MC74HCT244A			
	GEC Plessey	MV74HCT244	
		74HCT244	
	Harris	CD74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244	
		M74HCT244-1	
	National	MM74HCT244	
	SGS-Thomson		
		M74HCT244	
	Signetics	74HCT244	
	TI	SN74HCT244	
	Toshiba	TC74HCT244A	
MC74HCT245A			
	GEC Plessey	MV74HCT245	
		74HCT245	
	Harris	CD74HCT245	
	Hitachi	HD74HCT245	
	Mitsubishi	M74HCT245-1	
	National	MM74HCT245	
	SGS-Thomson		
		M74HCT245	
	Signetics	74HCT245	
	TI	SN74HCT245	
	Toshiba	TC74HCT245A	
MC74HCT273A			
	GoldStar	GD74HCT273	
	Harris	CD74HCT273	
	Mitsubishi	M74HCT273-1	
	National	MM74HCT273	
	Signetics	74HCT273	
	Toshiba	TC74HCT273A	
MC74HCT32A	GoldStar	GD74HCT32	
	Harris	CD74HCT32	
	National	MM74HCT32	
	Signetics	74HCT32	
	TI	SN74HCT32	
	Toshiba	TC74HCT32A	
♦ MC74HCT34	National	MM74HCT34	
MC74HCT373A			
	GEC Plessey	MV74HCT373	
		74HCT373	
	GoldStar	GD74HCT373	
	Harris	CD74HCT373	
	Hitachi	HD74HCT373	
	Mitsubishi	M74HCT373-1	
	National	MM74HCT373	
	SGS-Thomson		
		M74HCT373	
	Signetics	74HCT373	
	TI	SN74HCT373	
	Toshiba	TC74HCT373A	
MC74HCT374A			
	GEC Plessey	MV74HCT374	
		74HCT374	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC74HCT374A			(Cont'd)
	GoldStar	GD74HCT374	
	Harris	CD74HCT374	
	Hitachi	HD74HCT374	
	Mitsubishi	M74HCT374-1	
	National	MM74HCT374	
	SGS-Thomson		
		M74HCT374	
	Signetics	74HCT374	
	TI	SN74HCT374	
	Toshiba	TC74HCT374A	
MC74HCT533A			
	GEC Plessey	MV74HCT533	
		74HCT533	
	Harris	CD74HCT533	
	Hitachi	HD74HCT533	
	Mitsubishi	M74HCT533-1	
	National	MM74HCT533	
	SGS-Thomson		
		M74HCT533	
	Signetics	74HCT533	
	TI	SN74HCT533	
	Toshiba	TC74HCT533A	
MC74HCT534A			
	GEC Plessey	MV74HCT534	
		74HCT534	
	Harris	CD74HCT534	
	Hitachi	HD74HCT534	
	Mitsubishi	M74HCT534-1	
	National	MM74HCT534	
	SGS-Thomson		
		M74HCT534	
	Signetics	74HCT534	
	TI	SN74HCT534	
	Toshiba	TC74HCT534A	
MC74HCT540	GEC Plessey	MV74HCT540	
		74HCT540	
	Harris	CD74HCT540	
	National	MM74HCT540	
	SGS-Thomson		
		M74HCT540	
	Signetics	74HCT540	
	TI	SN74HCT540	
	Toshiba	TC74HCT540A	
♦ MC74HCT541	GEC Plessey	MV74HCT541	
		74HCT541	
♦ MC74HCT541	Harris	CD74HCT541	
	National	MM74HCT541	
	SGS-Thomson		
		M74HCT541	
	Signetics	74HCT541	
	TI	SN74HCT541	
	Toshiba	TC74HCT541A	
MC74HCT573A			
	GEC Plessey	MV74HCT573	
		74HCT573	
	Harris	CD74HCT573	
	National	MM74HCT573	
	SGS-Thomson		
		M74HCT573	
	Signetics	74HCT573	
	TI	SN74HCT573	
	Toshiba	TC74HCT573A	
MC74HCT574A			
	GEC Plessey	MV74HCT574	
		74HCT574	
	Harris	CD74HCT574	
	National	MM74HCT574	
	SGS-Thomson		
		M74HCT574	
	Signetics	74HCT574	
	TI	SN74HCT574	
	Toshiba	TC74HCT574A	
♦ MC74HCT620	TI	SN74HCT620	
♦ MC74HCT623	TI	SN74HCT623	
MC74HCT640A			
	Harris	CD74HCT640	
	Mitsubishi	M74HCT640-1	
	National	MM74HCT640	
	SGS-Thomson		
		M74HCT640	
	Signetics	74HCT640	
	TI	SN74HCT640	
	Toshiba	TC74HCT640A	
	Universal	US74HCT640	
♦ MC74HCT643	Harris	CD74HCT643	
	Mitsubishi	M74HCT643-1	
	National	MM74HCT643	
	SGS-Thomson		
		M74HCT643	
	Signetics	74HCT643	
	TI	SN74HCT643	
	Toshiba	TC74HCT643A	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC74HCT646	Harris	CD74HCT646	
	SGS-Thomson		
		M74HCT646	
	Signetics	74HCT646	
	TI	SN74HCT646	
	Toshiba	TC74HCT646A	
MC74HCT74A	Harris	CD74HCT74	
	National	MM74HCT74	
	SGS-Thomson		
		M74HCT74	
	Signetics	74HCT74	
	TI	SN74HCT74	
	Toshiba	TC74HCT74A	
MC74HC00A	GoldStar	GD74HC00	
	Harris	CD74HC00	
	Hitachi	HD74HC00	
	National	MM74HC00	
	NJR	NJU74HC00	
	SGS-Thomson		
		M74HC00	
	Sharp	LR74HC00	
	Signetics	74HC00	
	TI	SN74HC00	
	Toshiba	TC74HC00A	
MC74HC02A	GoldStar	GD74HC02	
	Harris	CD74HC02	
	Hitachi	HD74HC02	
	National	MM74HC02	
	NJR	NJU74HC02	
	SGS-Thomson		
		M74HC02	
	Sharp	LR74HC02	
	Signetics	74HC02	
	TI	SN74HC02	
	Toshiba	TC74HC02A	
MC74HC03A	Harris	CD74HC03	
	National	MM74HC03	
	NJR	NJU74HC03	
	SGS-Thomson		
		M74HC03	
	Sharp	LR74HC03	
	Signetics	74HC03	
	TI	SN74HC03	
	Toshiba	TC74HC03A	
♦ MC74HC04	Harris	CD74HC04	
	Hitachi	HD74HC04	
	Motorola	MC74HC04A	
	National	MM74HC04	
	NJR	NJU74HC04	
	SGS-Thomson		
		M74HC04	
	Sharp	LR74HC04	
	Signetics	74HC04	
	TI	SN74HC04	
	Toshiba	TC74HC04A	
MC74HC04A	Harris	CD74HC04	
	Hitachi	HD74HC04	
	National	MM74HC04	
	NJR	NJU74HC04	
	SGS-Thomson		
		M74HC04	
	Sharp	LR74HC04	
	Signetics	74HC04	
	TI	SN74HC04	
	Toshiba	TC74HC04A	
♦ MC74HC05	National	MM74HC05	
	NJR	NJU74HC05	
	TI	SN74HC05	
MC74HC08A	Harris	CD74HC08	
	Hitachi	HD74HC08	
	National	MM74HC08	
	NJR	NJU74HC08	
	SGS-Thomson		
		M74HC08	
	Sharp	LR74HC08	
	Signetics	74HC08	
	TI	SN74HC08	
	Toshiba	TC74HC08A	
MC74HC10	Harris	CD74HC10	
	Hitachi	HD74HC10	
	National	MM74HC10	
	NJR	NJU74HC10	
	SGS-Thomson		
		M74HC10	
	Sharp	LR74HC10	
	Signetics	74HC10	
	TI	SN74HC10	
	Toshiba	TC74HC10A	
MC74HC107	Harris	CD74HC107	
	Hitachi	HD74HC107	
	National	MM74HC107	
	SGS-Thomson		
		M74HC107	
	Sharp	LR74HC107	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC74HC107			(Cont'd)
	Signetics	74HC107	
	TI	SN74HC107	
	Toshiba	TC74HC107A	
MC74HC109	Harris	CD74HC109	
	Hitachi	HD74HC109	
	National	MM74HC109	
	NJR	NJU74HC109	
	SGS-Thomson		
		M74HC109	
	Sharp	LR74HC109	
	Signetics	74HC109	
	TI	SN74HC109	
	Toshiba	TC74HC109A	
MC74HC11	Harris	CD74HC11	
	Hitachi	HD74HC11	
	National	MM74HC11	
	NJR	NJU74HC11	
	SGS-Thomson		
		M74HC11	
	Sharp	LR74HC11	
	Signetics	74HC11	
	TI	SN74HC11	
	Toshiba	TC74HC11A	
MC74HC112	Harris	CD74HC112	
	Hitachi	HD74HC112	
	National	MM74HC112	
	NJR	NJU74HC112	
	SGS-Thomson		
		M74HC112	
	Sharp	LR74HC112	
	Signetics	74HC112	
	TI	SN74HC112	
	Toshiba	TC74HC112A	
MC74HC113	Hitachi	HD74HC113	
	Mitsubishi	M74HC113	
	National	MM74HC113	
	NJR	NJU74HC113	
	SGS-Thomson		
		M74HC113	
	Sharp	LR74HC113	
	TI	SN74HC113	
	Toshiba	TC74HC113A	
♦ MC74HC123A	Harris	CD74HC123	
	Hitachi	HD74HC123	
	Mitsubishi	M74HC123A	
	National	MM74HC123	
		MM74HC123A	
♦ MC74HC123A	NJR	NJU74HC123	
	SGS-Thomson		
		M74HC123	
		M74HC123A	
♦ MC74HC123A	Signetics	74HC123	
	Toshiba	TC74HC123	
		TC74HC123A	
MC74HC125A	Harris	CD74HC125	
	Hitachi	HD74HC125	
	National	MM74HC125	
	SGS-Thomson		
		M74HC125	
	Signetics	74HC125	
	TI	SN74HC125	
	Toshiba	TC74HC125A	
MC74HC126A	Harris	CD74HC126	
	Hitachi	HD74HC126	
	National	MM74HC126	
	SGS-Thomson		
		M74HC126	
	Signetics	74HC126	
	TI	SN74HC126	
	Toshiba	TC74HC126A	
MC74HC132A	Harris	CD74HC132	
	Hitachi	HD74HC132	
	National	MM74HC132	
	NJR	NJU74HC132	
	SGS-Thomson		
		M74HC132	
	Sharp	LR74HC132	
	Signetics	74HC132	
	TI	SN74HC132	
	Toshiba	TC74HC132A	
MC74HC133	Hitachi	HD74HC133	
	National	MM74HC133	
	SGS-Thomson		
		M74HC133	
	TI	SN74HC133	
	Toshiba	TC74HC133A	
MC74HC137	Harris	CD74HC137	
	Hitachi	HD74HC137	
	Mitsubishi	M74HC137	
	National	MM74HC137	
	NJR	NJU74HC137	
	SGS-Thomson		
		M74HC137	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
MC74HC137			(Cont'd)
	Sharp	LR74HC137	
	Signetics	74HC137	
	TI	SN74HC137	
	Toshiba	TC74HC137A	
MC74HC138A	Harris	CD74HC138	
	Hitachi	HD74HC138	
	Mitsubishi	M74HC138-1	
	National	MM74HC138	
	NJR	NJU74HC138	
	SGS-Thomson		
		M74HC138	
	Sharp	LR74HC138	
	Signetics	74HC138	
	TI	SN74HC138	
	Toshiba	TC74HC138A	
MC74HC139A	Harris	CD74HC139	
	Hitachi	HD74HC139	
	Mitsubishi	M74HC139-1	
	National	MM74HC139	
	NJR	NJU74HC139	
	SGS-Thomson		
		M74HC139	
	Sharp	LR74HC139	
	Signetics	74HC139	
	TI	SN74HC139	
	Toshiba	TC74HC139A	
MC74HC14A	Harris	CD74HC14	
	Hitachi	HD74HC14	
	Mitsubishi	M74HC14	
	National	MM74HC14	
	NJR	NJU74HC14	
	SGS-Thomson		
		M74HC14	
	Sharp	LR74HC14	
	Signetics	74HC14	
	TI	SN74HC14	
	Toshiba	TC74HC14A	
MC74HC147	Harris	CD74HC147	
	Hitachi	HD74HC147	
	National	MM74HC147	
	SGS-Thomson		
		M74HC147	
	Sharp	LR74HC147	
	Signetics	74HC147	
	TI	SN74HC147	
	Toshiba	TC74HC147A	
MC74HC151	Harris	CD74HC151	
	Hitachi	HD74HC151	
	National	MM74HC151	
	NJR	NJU74HC151	
	SGS-Thomson		
		M74HC151	
	Sharp	LR74HC151	
	Signetics	74HC151	
	TI	SN74HC151	
	Toshiba	TC74HC151A	
MC74HC153	Harris	CD74HC153	
	Hitachi	HD74HC153	
	National	MM74HC153	
	NJR	NJU74HC153	
	SGS-Thomson		
		M74HC153	
	Sharp	LR74HC153	
	Signetics	74HC153	
	TI	SN74HC153	
	Toshiba	TC74HC153A	
	Universal	US74HC153	
MC74HC154	Harris	CD74HC154	
	Hitachi	HD74HC154	
	National	MM74HC154	
	SGS-Thomson		
		M74HC154	
	Signetics	74HC154	
	TI	SN74HC154	
	Toshiba	TC74HC154A	
	Universal	US74HC154	
MC74HC157A	Harris	CD74HC157	
	Hitachi	HD74HC157	
	National	MM74HC157	
	SGS-Thomson		
		M74HC157	
	Sharp	LR74HC157	
	Signetics	74HC157	
	TI	SN74HC157	
	Toshiba	TC74HC157A	
	Universal	US74HC157	
MC74HC160	Harris	CD74HC160	
	Hitachi	HD74HC160	
	Mitsubishi	M74HC160	
	National	MM74HC160	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MC74HC160			(Cont'd)
	NJR	NJU74HC160	
	SGS-Thomson		
		M74HC160	
	Sharp	LR74HC160	
	Signetics	74HC160	
	TI	SN74HC160	
	Toshiba	TC74HC160A	
	Universal	US74HC160	
MC74HC162	Harris	CD74HC162	
	Hitachi	HD74HC162	
	Mitsubishi	M74HC162	
	National	MM74HC162	
	NJR	NJU74HC162	
	SGS-Thomson		
		M74HC162	
	Sharp	LR74HC162	
	Signetics	74HC162	
	TI	SN74HC162	
	Toshiba	TC74HC162A	
	Universal	US74HC162	
MC74HC164	Harris	CD74HC164	
	Hitachi	HD74HC164	
	National	MM74HC164	
	NJR	NJU74HC164	
	SGS-Thomson		
		M74HC164	
	Sharp	LR74HC164	
	Signetics	74HC164	
	TI	SN74HC164	
	Toshiba	TC74HC164A	
	Universal	US74HC164	
MC74HC165	Harris	CD74HC165	
	Hitachi	HD74HC165	
	National	MM74HC165	
	NJR	NJU74HC165	
	SGS-Thomson		
		M74HC165	
	Sharp	LR74HC165	
	Signetics	74HC165	
	TI	SN74HC165	
	Toshiba	TC74HC165A	
	Universal	US74HC165	
♦ MC74HC166	Harris	CD74HC166	
	Hitachi	HD74HC166	
	National	MM74HC166	
	NJR	NJU74HC166	
	SGS-Thomson		
		M74HC166	
	Signetics	74HC166	
	TI	SN74HC166	
	Toshiba	TC74HC166A	
MC74HC173	Harris	CD74HC173	
	Hitachi	HD74HC173	
	National	MM74HC173	
	SGS-Thomson		
		M74HC173	
	Sharp	LR74HC173	
	Signetics	74HC173	
	TI	SN74HC173	
	Toshiba	TC74HC173A	
	Universal	US74HC173	
MC74HC174A	Harris	CD74HC174	
	Hitachi	HD74HC174	
	National	MM74HC174	
	NJR	NJU74HC174	
	SGS-Thomson		
		M74HC174	
	Sharp	LR74HC174	
	Signetics	74HC174	
	TI	SN74HC174	
	Toshiba	TC74HC174A	
	Universal	US74HC174	
MC74HC175	Harris	CD74HC175	
	Hitachi	HD74HC175	
	National	MM74HC175	
	NJR	NJU74HC175	
	SGS-Thomson		
		M74HC175	
	Sharp	LR74HC175	
	Signetics	74HC175	
	TI	SN74HC175	
	Toshiba	TC74HC175A	
	Universal	US74HC175	
♦ MC74HC181	Harris	CD74HC181	
	National	MM74HC181	
	SGS-Thomson		
		M74HC181	
	Signetics	74HC181	
	Toshiba	TC74HC181A	
♦ MC74HC182	Harris	CD74HC182	
	Hitachi	HD74HC182	
	National	MM74HC182	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ MC74HC182			(Cont'd)
	SGS-Thomson		
		M74HC182	
	Signetics	74HC182	
	Toshiba	TC74HC182A	
♦ MC74HC190	Harris	CD74HC190	
	Hitachi	HD74HC190	
	Mitsubishi	74HC190	
	National	MM74HC190	
	SGS-Thomson		
		M74HC190	
	Signetics	74HC190	
	TI	SN74HC190	
	Toshiba	TC74HC190A	
	Universal	US74HC190	
♦ MC74HC191	GoldStar	GD74HC191	
	Harris	CD74HC191	
	Hitachi	HD74HC191	
	Mitsubishi	M74HC191	
	National	MM74HC191	
	SGS-Thomson		
		M74HC191	
	Signetics	74HC191	
	TI	SN74HC191	
	Toshiba	TC74HC191A	
	Universal	US74HC191	
♦ MC74HC192	Harris	CD74HC192	
	Hitachi	HD74HC192	
	Mitsubishi	M74HC192	
	National	MM74HC192	
	NJR	NJU74HC192	
	SGS-Thomson		
		M74HC192	
	Signetics	74HC192	
	TI	SN74HC192	
	Toshiba	TC74HC192A	
	Universal	US74HC192	
♦ MC74HC193	Harris	CD74HC193	
	Hitachi	HD74HC193	
	Mitsubishi	M74HC193	
	National	MM74HC193	
	SGS-Thomson		
		M74HC193	
	Signetics	74HC193	
	TI	SN74HC193	
	Toshiba	TC74HC193A	
	Universal	US74HC193	
MC74HC194	Harris	CD74HC194	
	Hitachi	HD74HC194	
	Mitsubishi	M74HC194	
	National	MM74HC194	
	NJR	NJU74HC194	
	SGS-Thomson		
		M74HC194	
	Sharp	LR74HC194	
	Signetics	74HC194	
	TI	SN74HC194	
	Toshiba	TC74HC194A	
	Universal	US74HC194	
MC74HC195	Harris	CD74HC195	
	Hitachi	HD74HC195	
	Mitsubishi	M74HC195	
	National	MM74HC195	
	NJR	NJU74HC195	
	SGS-Thomson		
		M74HC195	
	Sharp	LR74HC195	
	Signetics	74HC195	
	TI	SN74HC195	
	Toshiba	TC74HC195A	
	Universal	US74HC195	
MC74HC20	Harris	CD74HC20	
	Hitachi	HD74HC20	
	Mitsubishi	M74HC20	
	National	MM74HC20	
	NJR	NJU74HC20	
	SGS-Thomson		
		M74HC20	
	Sharp	LR74HC20	
	Signetics	74HC20	
	TI	SN74HC20	
	Toshiba	TC74HC20A	
	Universal	US74HC20	
♦ MC74HC221A	Harris	CD74HC221	
	Hitachi	HD74HC221	
	National	MM74HC221A	
	SGS-Thomson		
		M74HC221	
		M74HC221A	
♦ MC74HC221A	Signetics	74HC221	
	Toshiba	TC74HC221	
	Universal	US74HC221	
MC74HC237	Harris	CD74HC237	
	Hitachi	HD74HC237	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MC74HC237			(Cont'd)
	Mitsubishi	M74HC237	
	National	MM74HC237	
	NJR	NJU74HC237	
	SGS-Thomson		
		M74HC237	
	Signetics	74HC237	
	TI	SN74HC237	
	Toshiba	TC74HC237A	
♦ MC74HC239	NJR	NJU74HC239	
	TI	SN74HC239	
MC74HC240A	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson		
		M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
MC74HC241A	Harris	CD74HC241	
	Hitachi	HD74HC241	
	Mitsubishi	M74HC241	
	National	MM74HC241	
	NJR	NJU74HC241	
	SGS-Thomson		
		M74HC241	
		M74HC241HV	
	Sharp	LR74HC241	
	Signetics	74HC241	
	TI	SN74HC241	
	Toshiba	TC74HC241A	
MC74HC242	Harris	CD74HC242	
	Hitachi	HD74HC242	
	Mitsubishi	M74HC242	
	National	MM74HC242	
	SGS-Thomson		
		M74HC242	
	Sharp	LR74HC242	
	Signetics	74HC242	
	TI	SN74HC242	
	Toshiba	TC74HC242A	
MC74HC244A	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
	National	MM74HC244	
	NJR	NJU74HC244	
	SGS-Thomson		
		M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
MC74HC251	Harris	CD74HC251	
	Hitachi	HD74HC251	
	Mitsubishi	M74HC251	
	National	MM74HC251	
	SGS-Thomson		
		M74HC251	
	Sharp	LR74HC251	
	Signetics	74HC251	
	TI	SN74HC251	
	Toshiba	TC74HC251A	
MC74HC253	Harris	CD74HC253	
	Hitachi	HD74HC253	
	Mitsubishi	M74HC253	
	National	MM74HC253	
	NJR	NJU74HC253	
	SGS-Thomson		
		M74HC253	
	Sharp	LR74HC253	
	Signetics	PC74HC253	
	TI	SN74HC253	
	Toshiba	TC74HC253	
MC74HC257	Harris	CD74HC257	
	Hitachi	HD74HC257	
	Mitsubishi	M74HC257	
	National	MM74HC257	
	SGS-Thomson		
		M74HC257	
	Sharp	LR74HC257	
	Signetics	74HC257	
	TI	SN74HC257	
	Toshiba	TC74HC257A	
♦ MC74HC258	Harris	CD74HC258	
	Hitachi	HD74HC258	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
♦ MC74HC258			(Cont'd)
	National	MM74HC258	
	SGS-Thomson	M74HC258	
	Signetics	74HC258	
	TI	SN74HC258	
	Toshiba	TC74HC258A	
MC74HC259	Harris	CD74HC259	
	Hitachi	HD74HC259	
	Mitsubishi	M74HC259	
	National	MM74HC259	
	NJR	NJU74HC259	
	SGS-Thomson	M74HC259	
	Sharp	LR74HC259	
	Signetics	74HC259	
	TI	SN74HC259	
	Toshiba	TC74HC259A	
♦ MC74HC266	Mitsubishi	M74HC266	
		M74HC266A	
♦ MC74HC266	National	MM74HC266	
	NJR	NJU74HC266	
	SGS-Thomson	M74HC266	
	Sharp	LR74HC266	
	TI	SN74HC266	
MC74HC27	Harris	CD74HC27	
	Hitachi	HD74HC27	
	Mitsubishi	M74HC27	
	National	MM74HC27	
	NJR	NJU74HC27	
	SGS-Thomson	M74HC27	
	Sharp	LR74HC27	
	Signetics	74HC27	
	TI	SN74HC27	
	Toshiba	TC74HC27A	
MC74HC273A	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson	M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
MC74HC280	Harris	CD74HC280	
	Hitachi	HD74HC280	
	Mitsubishi	M74HC280	
	National	MM74HC280	
	SGS-Thomson	M74HC280	
	Sharp	LR74HC280	
	Signetics	74HC280	
	TI	SN74HC280	
	Toshiba	TC74HC280A	
♦ MC74HC283	Harris	CD74HC283	
	Mitsubishi	M74HC283	
	National	MM74HC283	
	SGS-Thomson	M74HC283	
	Signetics	74HC283	
	TI	SN74HC283	
	Toshiba	TC74HC283A	
♦ MC74HC292	Hitachi	HD74HC292	
	SGS-Thomson	M74HC292	
♦ MC74HC294	Hitachi	HD74HC294	
	SGS-Thomson	M74HC294	
MC74HC298	Hitachi	HD74HC298	
	National	MM74HC298	
	SGS-Thomson	M74HC298	
	TI	SN74HC298	
	Toshiba	TC74HC298A	
MC74HC299	Harris	CD74HC299	
	National	MM74HC299	
	SGS-Thomson	M74HC299	
	Sharp	LR74HC299	
	Signetics	74HC299	
	TI	SN74HC299	
	Toshiba	TC74HC299A	
MC74HC30	Harris	CD74HC30	
	Hitachi	HD74HC30	
	Mitsubishi	M74HC30	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MC74HC30			(Cont'd)
	National	MM74HC30	
	SGS-Thomson	M74HC30	
	Sharp	LR74HC30	
	Signetics	74HC30	
	TI	SN74HC30	
	Toshiba	TC74HC30A	
MC74HC32A	Harris	CD74HC32	
	Hitachi	HD74HC32	
	Mitsubishi	M74HC32	
	National	MM74HC32	
	NJR	NJU74HC32	
	SGS-Thomson	M74HC32	
	Sharp	LR74HC32	
	Signetics	74HC32	
	TI	SN74HC32	
	Toshiba	TC74HC32A	
MC74HC354	Harris	CD74HC354	
	Hitachi	HD74HC354	
	National	MM74HC354	
	SGS-Thomson	M74HC354	
	Sharp	LR74HC354	
	Signetics	74HC354	
	TI	SN74HC354	
	Toshiba	TC74HC354A	
♦ MC74HC356	Harris	CD74HC356	
	Hitachi	HD74HC356	
	National	MM74HC356	
	SGS-Thomson	M74HC356	
	Sharp	LR74HC356	
	Signetics	74HC356	
	TI	SN74HC356	
	Toshiba	TC74HC356A	
MC74HC365	GoldStar	GD74HC365	
	Harris	CD74HC365	
	Hitachi	HD74HC365	
	National	MM74HC365	
	SGS-Thomson	M74HC365	
	Sharp	LR74HC365	
	Signetics	74HC365	
	TI	SN74HC365	
	Toshiba	TC74HC365A	
MC74HC366	GoldStar	GD74HC366	
	Harris	CD74HC366	
	Hitachi	HD74HC366	
	National	MM74HC366	
	SGS-Thomson	M74HC366	
	Sharp	LR74HC366	
	Signetics	74HC366	
	TI	SN74HC366	
	Toshiba	TC74HC366A	
MC74HC367	GoldStar	GD74HC367	
	Harris	CD74HC367	
	Hitachi	HD74HC367	
	Mitsubishi	M74HC367	
	National	MM74HC367	
	SGS-Thomson	M74HC367	
	Signetics	74HC367	
	TI	SN74HC367	
	Toshiba	TC74HC367A	
MC74HC368	GoldStar	GD74HC368	
	Harris	CD74HC368	
	Hitachi	HD74HC368	
	National	MM74HC368	
	SGS-Thomson	M74HC368	
	Sharp	LR74HC368	
	Signetics	74HC368	
	TI	SN74HC368	
	Toshiba	TC74HC368A	
MC74HC373A	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	National	MM74HC373	
	NJR	NJU74HC373	
	SGS-Thomson	M74HC373	
	Sharp	LR74HC373	
	Signetics	74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
MC74HC374A	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	National	MM74HC374	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC74HC374A			(Cont'd)
	NJR	NJU74HC374	
	SGS-Thomson	M74HC374	
	Sharp	LR74HC374	
	Signetics	74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	
♦ MC74HC386	Hitachi	HD74HC386	
	SGS-Thomson	M74HC386	
	TI	SN74HC386	
	Toshiba	TC74HC386A	
MC74HC390	Harris	CD74HC390	
	Hitachi	HD74HC390	
	National	MM74HC390	
	NJR	NJU74HC390	
	SGS-Thomson	M74HC390	
	Sharp	LR74HC390	
	Signetics	74HC390	
	TI	SN74HC390	
	Toshiba	TC74HC390A	
MC74HC393	Harris	CD74HC393	
	Hitachi	HD74HC393	
	National	MM74HC393	
	NJR	NJU74HC393	
	SGS-Thomson	M74HC393	
	Sharp	LR74HC393	
	Signetics	74HC393	
	TI	SN74HC393	
	Toshiba	TC74HC393A	
MC74HC4002	Harris	CD74HC4002	
	Mitsubishi	M74HC4002	
	National	MM74HC4002	
	NJR	NJU74HC4002	
	SGS-Thomson	M74HC4002	
	Sharp	LR74HC4002	
	Signetics	74HC4002	
	TI	SN74HC4002	
	Toshiba	TC74HC4002A	
MC74HC4016	Harris	CD74HC4016	
	National	MM74HC4016	
	Signetics	74HC4016	
	TI	TLC4016	
	Toshiba	TC74HC4016A	
MC74HC4017	Harris	CD74HC4017	
	Hitachi	HD74HC4017	
	National	MM74HC4017	
	SGS-Thomson	M74HC4017	
	Signetics	74HC4017	
	TI	SN74HC4017	
	Toshiba	TC74HC4017A	
MC74HC4024	Harris	CD74HC4024	
	Hitachi	HD74HC4024	
	Mitsubishi	M74HC4024	
	National	MM74HC4024	
	SGS-Thomson	M74HC4024	
	Sharp	LR74HC4024	
	Signetics	74HC4024	
	TI	SN74HC4024	
	Toshiba	TC74HC4024A	
MC74HC4046A			
	Harris	CD74HC4046	
		CD74HC4046A	
	National	MM74HC4046	
	Signetics	74HC4046A	
MC74HC4049	Harris	CD74HC4049	
	Mitsubishi	M74HC4049B	
	National	MM74HC4049	
	SGS-Thomson	M74HC4049	
	Signetics	74HC4049	
	Toshiba	TC74HC4049A	
MC74HC4050	Harris	CD74HC4050	
	Mitsubishi	M74HC4050B	
	National	MM74HC4050	
	SGS-Thomson	M74HC4050	
	Signetics	74HC4050	
	Toshiba	TC74HC4050A	
MC74HC4051	Harris	CD74HC4051	
	Mitsubishi	M74HC4051	
	National	MM74HC4051	
	SGS-Thomson	M74HC4051	
	Signetics	74HC4051	
	Toshiba	TC74HC4051A	
MC74HC4052	Harris	CD74HC4052	
	Mitsubishi	M74HC4052	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC74HC4052			(Cont'd)
	National	MM74HC4052	
	Panasonic	MN74HC4052	
	SGS-Thomson	M74HC4052	
	Signetics	74HC4052	
	Toshiba	TC74HC4052A	
MC74HC4053	Harris	CD74HC4053	
	Mitsubishi	M74HC4053	
	National	MM74HC4053	
	SGS-Thomson	M74HC4053	
	Signetics	74HC4053	
	Toshiba	TC74HC4053A	
MC74HC4066	Harris	CD74HC4066	
	National	MM74HC4066	
	NJR	NJU74HC4066	
	SGS-Thomson	M74HC4066	
	Signetics	74HC4066	
	TI	SN74HC4066	
		TLC4066	
	Toshiba	TC74HC4066A	
MC74HC4075	Harris	CD74HC4075	
	Mitsubishi	M74HC4075	
	National	MM74HC4075	
	SGS-Thomson	M74HC4075	
	Sharp	LR74HC4075	
	Signetics	74HC4075	
	TI	SN74HC4075	
	Toshiba	TC74HC4075A	
MC74HC4078	Mitsubishi	M74HC4078	
	National	MM74HC4078	
	SGS-Thomson	M74HC4078	
	Sharp	LR74HC4078	
	TI	SN74HC4078A	
	Toshiba	TC74HC4078A	
MC74HC42	Harris	CD74HC42	
	Hitachi	HD74HC42	
	Mitsubishi	M74HC42	
	National	MM74HC42	
	SGS-Thomson	M74HC42	
	Sharp	LR74HC42	
	Signetics	74HC42	
	TI	SN74HC42	
	Toshiba	TC74HC42A	
♦ MC74HC423A	Harris	CD74HC423	
	Hitachi	HD74HC423	
	National	MM74HC423A	
	SGS-Thomson	M74HC423	
		M74HC423A	
♦ MC74HC423A	Signetics	74HC423	
	Toshiba	TC74HC423	
		TC74HC423A	
MC74HC4316	Harris	CD74HC4316	
	National	MM74HC4316	
	SGS-Thomson	M74HC4316	
	Signetics	74HC4316	
	Toshiba	TC74HC4316A	
MC74HC4351	Harris	CD74HC4351	
	SGS-Thomson	M74HC4351	
	Signetics	74HC4351	
	Toshiba	TC74HC4351A	
MC74HC4352	Harris	CD74HC4352	
	SGS-Thomson	M74HC4352	
	Signetics	74HC4352	
	Toshiba	TC74HC4352A	
MC74HC4353	Harris	CD74HC4353	
	SGS-Thomson	M74HC4353	
	Signetics	74HC4353	
	Toshiba	TC74HC4353A	
MC74HC4511	Harris	CD74HC4511	
	Hitachi	HD74HC4511	
	National	MM74HC4511	
	SGS-Thomson	M74HC4511	
	Sharp	LR74HC4511	
	Signetics	74HC4511	
	Toshiba	TC74HC4511A	
MC74HC4514	Harris	CD74HC4514	
	Hitachi	HD74HC4514	
	National	MM74HC4514	
	SGS-Thomson	M74HC4514	
	Sharp	LR74HC4514	
	Signetics	74HC4514	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
MC74HC4514			(Cont'd)
	TI	SN74HC4514	
	Toshiba	TC74HC4514A	
♦ MC74HC4515	Harris	CD74HC4515	
	Hitachi	HD74HC4515	
	Signetics	74HC4515	
	TI	SN74HC4515	
	Toshiba	TC74HC4515A	
MC74HC4538A			
	Harris	CD74HC4538	
	Hitachi	HD74HC4538	
	National	MM74HC4538	
	SGS-Thomson	M74HC4538	
	Signetics	74HC4538	
	Toshiba	TC74HC4538A	
♦ MC74HC4543	Harris	CD74HC4543	
	Hitachi	HD74HC4543	
	National	MM74HC4543	
	SGS-Thomson	M74HC4543	
	Sharp	LR74HC4543	
	Signetics	74HC4543	
	Toshiba	TC74HC4543A	
MC74HC51	Hitachi	HD74HC51	
	Mitsubishi	M74HC51	
	National	MM74HC51	
	NJR	NJU74HC51	
	SGS-Thomson	M74HC51	
	Sharp	LR74HC51	
	TI	SN74HC51	
	Toshiba	TC74HC51A	
MC74HC533A	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
	National	MM74HC533	
	NJR	NJU74HC533	
	SGS-Thomson	M74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
MC74HC534A	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
	National	MM74HC534	
	NJR	NJU74HC534	
	SGS-Thomson	M74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
MC74HC540	Harris	CD74HC540	
	Hitachi	HD74HC540	
	Mitsubishi	M74HC540	
	National	MM74HC540	
	SGS-Thomson	M74HC540	
	Signetics	74HC540	
	TI	SN74HC540	
	Toshiba	TC74HC540A	
MC74HC541	Harris	CD74HC541	
	Hitachi	HD74HC541	
	Mitsubishi	M74HC541	
	National	MM74HC541	
	SGS-Thomson	M74HC541	
	Sharp	LR74HC541	
	Signetics	74HC541	
	TI	SN74HC541	
	Toshiba	TC74HC541A	
MC74HC563	Harris	CD74HC563	
	Hitachi	HD74HC563	
	National	MM74HC563	
	SGS-Thomson	M74HC563	
	Sharp	LR74HC563	
	Signetics	74HC563	
	TI	SN74HC563	
	Toshiba	TC74HC563A	
MC74HC564	Harris	CD74HC564	
	Hitachi	HD74HC564	
	National	MM74HC564	
	SGS-Thomson	M74HC564	
	Sharp	LR74HC564	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC74HC564			(Cont'd)
	Signetics	74HC564	
	TI	SN74HC564	
	Toshiba	TC74HC564A	
MC74HC573A	Harris	CD74HC573	
	Hitachi	HD74HC573	
	National	MM74HC573	
	SGS-Thomson	M74HC573	
	Signetics	74HC573	
	TI	SN74HC573	
	Toshiba	TC74HC573A	
MC74HC574A	Harris	CD74HC574	
	Hitachi	HD74HC574	
	National	MM74HC574	
	SGS-Thomson	M74HC574	
	Sharp	LR74HC574	
	Signetics	74HC574	
	TI	SN74HC574	
	Toshiba	TC74HC574A	
MC74HC58	National	MM74HC58	
	NJR	NJU74HC58	
	Sharp	LR74HC58	
MC74HC589	Hitachi	HD74HC589	
	National	MM74HC589	
♦ MC74HC590	Hitachi	HD74HC590	
	National	MM74HC590	
	SGS-Thomson	M74HC590	
	TI	SN74HC590A	
	Toshiba	TC74HC590	
♦ MC74HC592	Hitachi	HD74HC592	
	National	MM74HC592	
	SGS-Thomson	M74HC592	
	Toshiba	TC74HC592	
♦ MC74HC593	Hitachi	HD74HC593	
	National	MM74HC593	
	SGS-Thomson	M74HC593	
	Toshiba	TC74HC593A	
MC74HC597	Harris	CD74HC597	
	Hitachi	HD74HC597	
	National	MM74HC597	
	SGS-Thomson	M74HC597	
	Sharp	LR74HC597	
	Signetics	74HC597	
	Toshiba	TC74HC597A	
♦ MC74HC620	Hitachi	HD74HC620	
	National	MM74HC620	
	NJR	NJU74HC620	
	SGS-Thomson	M74HC620	
	TI	SN74HC620	
	Toshiba	TC74HC620A	
♦ MC74HC623	Hitachi	HD74HC623	
	National	MM74HC623	
	NJR	NJU74HC623	
	SGS-Thomson	M74HC623	
	TI	SN74HC623	
	Toshiba	TC74HC623A	
MC74HC640A	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
	National	MM74HC640	
	NJR	NJU74HC640	
	SGS-Thomson	M74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	
♦ MC74HC643	Harris	CD74HC643	
	Hitachi	HD74HC643	
	Mitsubishi	M74HC643	
		M74HC643-1	
♦ MC74HC643	National	MM74HC643	
	NJR	NJU74HC643	
	SGS-Thomson	M74HC643	
	Sharp	LR74HC643	
	Signetics	74HC643	
	TI	SN74HC643	
	Toshiba	TC74HC643A	
MC74HC646	Harris	CD74HC646	
	National	MM74HC646	
	SGS-Thomson	M74HC646	
	Signetics	74HC646	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC74HC646			(Cont'd)
	TI	SN74HC646	
	Toshiba	TC74HC646A	
MC74HC648	Harris	CD74HC648	
	National	MM74HC648	
	SGS-Thomson	M74HC648	
	Signetics	74HC648	
	TI	SN74HC648	
	Toshiba	TC74HC648A	
♦ MC74HC651	Harris	CD74HC651	
	SGS-Thomson	M74HC651	
	TI	SN74HC651	
	Toshiba	TC74HC651A	
♦ MC74HC652	Harris	CD74HC652	
	SGS-Thomson	M74HC652	
	TI	SN74HC652	
	Toshiba	TC74HC652A	
MC74HC670	GoldStar	GD74HC670	
	Harris	CD74HC670	
	Hitachi	HD74HC670	
	SGS-Thomson	M74HC670	
	Signetics	74HC670	
	Toshiba	TC74HC670A	
MC74HC688	Harris	CD74HC688	
	Hitachi	HD74HC688	
	National	MM74HC688	
	SGS-Thomson	M74HC688	
	Sharp	LR74HC688	
	Signetics	74HC688	
	TI	SN74HC688	
	Toshiba	TC74HC688A	
MC74HC7266	Harris	CD74HC7266	
	National	MM74HC7266	
	SGS-Thomson	M74HC7266	
	Signetics	74HC7266	
	TI	SN74HC7266	
	Toshiba	TC74HC7266A	
MC74HC73	Harris	CD74HC73	
	Hitachi	HD74HC73	
	Mitsubishi	M74HC73	
	National	MM74HC73	
	SGS-Thomson	M74HC73	
	Signetics	74HC73	
	TI	SN74HC73	
	Toshiba	TC74HC73A	
MC74HC74A	GoldStar	GD74HC74	
	Harris	CD74HC74	
	Hitachi	HD74HC74	
	Mitsubishi	M74HC74	
	National	MM74HC74	
	NJR	NJU74HC74	
	SGS-Thomson	M74HC74	
	Sharp	LR74HC74	
	Signetics	74HC74	
	TI	SN74HC74	
	Toshiba	TC74HC74A	
MC74HC75	Harris	CD74HC75	
	Hitachi	HD74HC75	
	Mitsubishi	M74HC75	
	National	MM74HC75	
	SGS-Thomson	M74HC75	
	Sharp	LR74HC75	
	Signetics	74HC75	
	TI	SN74HC75	
	Toshiba	TC74HC75A	
MC74HC76	Hitachi	HD74HC76	
	Mitsubishi	M74HC76	
	National	MM74HC76	
	SGS-Thomson	M74HC76	
	Sharp	LR74HC76	
	TI	SN74HC76	
	Toshiba	TC74HC76A	
MC74HC85	Harris	CD74HC85	
	Hitachi	HD74HC85	
	Mitsubishi	M74HC85	
	National	MM74HC85	
	NJR	NJU74HC85	
	SGS-Thomson	M74HC85	
	Sharp	LR74HC85	
	Signetics	74HC85	
	TI	SN74HC85	
	Toshiba	TC74HC85A	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC74HC86	Harris	CD74HC86	
	Hitachi	HD74HC86	
	Mitsubishi	M74HC86	
	National	MM74HC86	
	NJR	NJU74HC86	
	SGS-Thomson	M74HC86	
	Sharp	LR74HC86	
	Signetics	74HC86	
	TI	SN74HC86	
	Toshiba	TC74HC86A	
♦ MC74HC9014	Signetics	74HC9014	
♦ MC74HC9015	Signetics	74HC9015	
♦ MC74HC9114	Signetics	74HC9114	
♦ MC74HC9115	Signetics	74HC9115	
♦ MC74H00	Lansdale	ML74H00	
		SL74H00	
♦ MC74H00	Rochester	74H00	
♦ MC74H01	Lansdale	ML74H01	
		SL74H01	
♦ MC74H01	Rochester	74H01	
♦ MC74H02	Lansdale	ML74H02	
♦ MC74H04	Lansdale	ML74H04	
	Rochester	74H04	
♦ MC74H05	Lansdale	ML74H05	
♦ MC74H08	Lansdale	ML74H08	
		SL74H08	
♦ MC74H08	Rochester	74H08	
♦ MC74H10	Lansdale	ML74H10	
		SL74H10	
♦ MC74H10	Rochester	74H10	
♦ MC74H101	Lansdale	ML74H101	
		SL74H101	
♦ MC74H101	Rochester	74H101	
♦ MC74H102	Lansdale	ML74H102	
		SL74H102	
♦ MC74H102	Rochester	74H102	
♦ MC74H103	Lansdale	ML74H103	
		SL74H103	
♦ MC74H103	Rochester	74H103	
♦ MC74H106	Rochester	74H106	
♦ MC74H108	Lansdale	ML74H108	
		SL74H108	
♦ MC74H108	Rochester	74H108	
♦ MC74H11	Lansdale	ML74H11	
		SL74H11	
♦ MC74H11	Rochester	74H11	
♦ MC74H116	Lansdale	ML74H116	
♦ MC74H117	Lansdale	ML74H117	
♦ MC74H119	Lansdale	ML74H119	
♦ MC74H12	Lansdale	ML74H12	
♦ MC74H120	Lansdale	ML74H120	
♦ MC74H20	Lansdale	ML74H20	
		SL74H20	
♦ MC74H20	Rochester	74H20	
♦ MC74H21	Lansdale	ML74H21	
		SL74H21	
♦ MC74H21	Rochester	74H21	
♦ MC74H22	Lansdale	ML74H22	
		SL74H22	
♦ MC74H22	Rochester	74H22	
♦ MC74H28	Lansdale	ML74H28	
♦ MC74H29	Lansdale	ML74H29	
♦ MC74H30	Lansdale	ML74H30	
		SL74H30	
♦ MC74H30	Rochester	74H30	
♦ MC74H31	Lansdale	ML74H31	
♦ MC74H32	Lansdale	ML74H32	
♦ MC74H36	Lansdale	ML74H36	
♦ MC74H39	Lansdale	ML74H39	
♦ MC74H40	Lansdale	ML74H40	
		SL74H40	
♦ MC74H40	Rochester	74H40	
♦ MC74H50	Lansdale	ML74H50	
	Rochester	74H50	
♦ MC74H51	Lansdale	ML74H51	
	Rochester	74H51	
♦ MC74H52	Lansdale	ML74H52	
		SL74H52	
♦ MC74H52	Rochester	74H52	
♦ MC74H53	Lansdale	ML74H53	
		SL74H53	
♦ MC74H53	Rochester	74H53	
♦ MC74H54	Lansdale	ML74H54	
		SL74H54	
♦ MC74H54	Rochester	74H54	
♦ MC74H55	Lansdale	ML74H55	
		SL74H55	
♦ MC74H55	Rochester	74H55	
♦ MC74H60	Lansdale	ML74H60	
		SL75H60	
♦ MC74H60	Rochester	74H60	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
♦ MC74H61	Lansdale	ML74H61	
		SL74H61	
♦ MC74H61	Rochester	74H61	
♦ MC74H62	Lansdale	ML74H62	
		SL74H62	
♦ MC74H62	Rochester	74H62	
♦ MC74H71	Lansdale	ML74H71	
		SL74H71	
♦ MC74H71	Rochester	74H71	
♦ MC74H72	Lansdale	ML74H72	
		SL74H72	
♦ MC74H72	Rochester	74H72	
♦ MC74H73	Lansdale	ML74H73	
		SL74H73	
♦ MC74H73	Rochester	74H73	
♦ MC74H74	Lansdale	ML74H74	
		SL74H74	
♦ MC74H74	Rochester	74H74	
♦ MC74H76	Rochester	74H76	
♦ MC74H78	Rochester	74H78	
♦ MC74H79	Lansdale	ML54H79	
		ML74H79	
♦ MC74H86	Lansdale	ML74H86	
♦ MC74H87	Lansdale	ML74H87	
	Rochester	74H87	
♦ MC74H89	Lansdale	ML74H89	
♦ MC7400	Lansdale	ML7400	
♦ MC7401	Lansdale	ML701	
		ML7401	
		SL7401	
♦ MC7401	Rochester	7401	
♦ MC7402	Lansdale	ML7402	
		SL7402	
♦ MC7403	Lansdale	ML7403	
♦ MC7404	Rochester	7504	
♦ MC7405	Lansdale	ML7405	
♦ MC7406	Lansdale	ML7406	
	Rochester	7406	
♦ MC7407	Lansdale	ML7407	
	Rochester	7407	
♦ MC7408	Lansdale	ML7408	
	Rochester	7408	
♦ MC7409	Lansdale	ML7409	
		SL7409	
♦ MC7410	Lansdale	ML7410	
	Rochester	7410	
♦ MC74100	Lansdale	ML74100	
		SL74100	
♦ MC74107	Lansdale	ML74107	
♦ MC7412	Lansdale	ML7412	
	Rochester	7412	
♦ MC74120	Lansdale	ML74120	
♦ MC74121	Lansdale	ML74121	
♦ MC74122	Lansdale	ML74122	
	Rochester	74122	
♦ MC74123	Lansdale	ML74123	
♦ MC74125	Rochester	74125	
♦ MC74128	Lansdale	ML74128	
♦ MC7413	Lansdale	ML7413	
	Rochester	7413	
♦ MC74132	Lansdale	ML74132	
	Rochester	74132	
♦ MC74136	Lansdale	ML74136	
♦ MC7414	Lansdale	ML7414	
	Rochester	7414	
♦ MC74141	Lansdale	ML74141	
	Rochester	74141	
♦ MC74145	Lansdale	ML74145	
♦ MC74150	Lansdale	ML74150	
♦ MC74151	Lansdale	ML74151	
♦ MC74152	Lansdale	ML74152	
		SL74152	
♦ MC74152	Rochester	74152	
♦ MC74153	Lansdale	ML74153	
	Rochester	74153	
♦ MC74154	Lansdale	ML74154	
♦ MC74155	Lansdale	ML74155	
♦ MC74156	Lansdale	ML74156	
	Rochester	74156	
♦ MC74157	Rochester	74157	
♦ MC7416	Lansdale	ML7416	
♦ MC74160	Lansdale	ML74160	
	Rochester	74160	
♦ MC74161	Lansdale	ML74161	
♦ MC74162	Lansdale	ML74162	
	Rochester	74162	
♦ MC74163	Lansdale	ML74163	
	Rochester	74163	
♦ MC74164	Lansdale	ML74164	
	Rochester	74164	
♦ MC74165	Lansdale	ML74165	
	Rochester	74165	
♦ MC74166	Lansdale	ML74166	
	Rochester	74166	
♦ MC74167	Lansdale	ML74167	
	Rochester	74167	
♦ MC7417	Lansdale	ML7417	
♦ MC74174	Lansdale	ML74174	
♦ MC74175	Lansdale	ML74175	
	Rochester	74175	
♦ MC74176	Lansdale	ML74176	
	Rochester	74176	
♦ MC74177	Lansdale	ML74177	
	Rochester	74177	
♦ MC74178	Lansdale	ML74178	
	Rochester	74178	
♦ MC74179	Lansdale	ML74179	
	Rochester	74179	
♦ MC74180	Lansdale	ML74180	
	Rochester	74181	
♦ MC74181	Lansdale	ML74181	
♦ MC74182	Lansdale	ML74182	
		SL74182	
♦ MC74190	Lansdale	ML74190	
	Rochester	74190	
♦ MC74191	Lansdale	ML74191	
♦ MC74192	Lansdale	ML74192	
	Rochester	74192	
♦ MC74193	Lansdale	ML74193	
	Rochester	74193	
♦ MC74194	Lansdale	ML74194	
	Rochester	74194	
♦ MC74195	Lansdale	ML74195	
	Rochester	74195	
♦ MC74196	Lansdale	ML74196	
	Rochester	74196	
♦ MC74197	Lansdale	ML74197	
♦ MC74198	Lansdale	ML74198	
		SL74198	
♦ MC74199	Lansdale	ML74199	
♦ MC7420	Lansdale	ML7420	
	Rochester	7420	
♦ MC7423	Lansdale	ML7423	
♦ MC7425	Lansdale	ML7425	
	Rochester	7425	
♦ MC7426	Lansdale	ML7426	
♦ MC7427	Lansdale	ML7427	
♦ MC74279	Lansdale	ML74279	
♦ MC7428	Lansdale	ML7428	
♦ MC74290	Lansdale	ML74290	
♦ MC74293	Lansdale	ML74293	
♦ MC74298	Lansdale	ML74298	
♦ MC7430	Lansdale	ML7430	
	Rochester	7430	
♦ MC7437	Lansdale	ML7437	
	Rochester	7437	
♦ MC7438	Lansdale	ML7438	
	Rochester	7438	
♦ MC7440	Lansdale	ML7440	
♦ MC7441	Lansdale	ML7441	
♦ MC7442	Lansdale	ML7442	
♦ MC7443	Lansdale	ML7443	
♦ MC7444	Lansdale	ML7444	
♦ MC7445	Lansdale	ML7445	
♦ MC7446	Lansdale	ML7446	
	Rochester	7446	
♦ MC7447	Lansdale	ML7447	
		SL7447	
♦ MC7448	Lansdale	ML7448	
		SL7448	
♦ MC7448	Rochester	7448	
♦ MC7449	Lansdale	ML7449	
♦ MC7450	Lansdale	ML7450	
	Rochester	7450	
♦ MC7451	Lansdale	ML7451	
♦ MC7453	Lansdale	ML7453	
		SL7453	
♦ MC7453	Rochester	7453	
♦ MC7454	Lansdale	ML7454	
		SL7454	
♦ MC7454	Rochester	7454	
♦ MC7460	Lansdale	ML7460	
		SL7460	
♦ MC7460	Rochester	7460	
♦ MC7470	Lansdale	ML7470	
		SL7470	
♦ MC7470	Rochester	7470	
♦ MC7472	Lansdale	ML7472	
		SL7472	
♦ MC7472	Rochester	7472	
♦ MC7473	Lansdale	ML7473	
♦ MC7474	Lansdale	ML7474	
	Rochester	7474	
♦ MC7475	Lansdale	ML7475	
	Rochester	7475	
♦ MC7476	Lansdale	ML7476	
	Rochester	7476	
♦ MC7479	Lansdale	ML7479	
MC748	TI	μA748	
♦ MC7480	Lansdale	ML7480	
		SL7480	
♦ MC7481	Lansdale	ML7481	
♦ MC7483	Lansdale	ML7483	
	Rochester	7483	
♦ MC7484	Lansdale	ML7484	
♦ MC7485	Lansdale	ML7485	
	Rochester	7485	
♦ MC7486	Lansdale	ML7486	
	Rochester	7486	
♦ MC7490	Lansdale	ML7490	
♦ MC7491	Lansdale	ML7491	
	Rochester	7491	
♦ MC7492	Lansdale	ML7492	
	Rochester	7492	
♦ MC7493	Lansdale	ML7493	
	Rochester	7493	
♦ MC7494	Lansdale	ML7494	
♦ MC7495	Lansdale	ML7495	
	Rochester	7495	
♦ MC7496	Lansdale	ML7496	
	Rochester	7496	
♦ MC7497	Lansdale	ML7497	
♦ MC75H05	Rochester	74H05	
MC75107	National	DS75107	
MC75108	National	DS75108	
MC75125	National	DS75125	
MC75127	National	DS75127	
MC75128	National	DS75128	
MC75129	National	DS75129	
MC7520	Unitrode	PIC7520	
MC7523	Unitrode	PIC7523	
MC7525	Unitrode	PIC7524	
MC7529	Unitrode	PIC7529	
MC75325	National	DS75325	
MC7535	Unitrode	PIC7535	
MC75491	National	DS75491	
MC75492	National	DS75492	
MC78L05	National	LM78L05	
	Panasonic	AN78L05	
		MC78L05	
	TI	μA78L05	
MC78L08	Panasonic	AN78L08	
	Samsung	MC78L08	
	TI	μA78L08	
MC78L12	National	LM78L12	
	Panasonic	AN78L12	
	Samsung	MC78L12	
	TI	μA78L12	
MC78L15	National	LM78L15	
	Panasonic	AN78L15	
	Samsung	MC78L15	
	TI	μA78L15	
MC78L18	Panasonic	AN78L18	
	Samsung	MC78L18	
MC78L24	Panasonic	AN78L24	
	Samsung	MC78L24	
MC78M05	National	LM78M05	
	Samsung	MC78M05	
	SGS-Thomson		
		L78M05	
	TI	μA78M05	
MC78M06	Samsung	MC78M06	
	SGS-Thomson		
		L78M06	
	TI	μA78M06	
MC78M08	National	LM78M08	
	Samsung	MC78M08	
	SGS-Thomson		
		L78M08	
	TI	μA78M08	
MC78M12	National	LM78M12	
	Samsung	MC78M12	
	SGS-Thomson		
		L78M12	
	TI	μA78M12	
MC78M15	National	LM78M15	
	Samsung	MC78M15	
	SGS-Thomson		
		L78M15	
	TI	μA78M15	
MC78M18	Samsung	MC78M18	
	SGS-Thomson		
		L78M18	
MC78M20	Samsung	MC78M20	
	TI	μA78M20	
MC78M24	National	LM78M24	
	Samsung	MC78M24	
	SGS-Thomson		
		L78M24	
	TI	μA78M24	
MC78S40	National	LM78S40	
MC78T05	LinearTech	LM323	
	Samsung	KA78T05	
	SemTech	LAS1405	
MC78T06	Samsung	KA78T06	
MC78T08	Samsung	KA78T08	
MC78T12	Samsung	KA78T12	
	SemTech	LAS1412	
MC78T15	Samsung	KA78T15	
	SemTech	LAS1415	
MC78T18	Samsung	KA78T18	
MC78T24	Samsung	KA78T24	
MC7805	National	LM7805	
	Samsung	MC7805	
	SemTech	LAS1505	
	SGS-Thomson		
		L7805	
	SiliconG	SG7805	
	TI	μA7805	
	Unitrode	UC7805	
MC7806	National	LM7806	
	Samsung	MC7806	
	SemTech	LAS1506	
	SGS-Thomson		
		L7806	
	SiliconG	SG7806	
	TI	μA7806	
MC7808	National	LM7808	
	Samsung	MC7808	
	SemTech	LAS1508	
	SGS-Thomson		
		L7808	
	SiliconG	SG7808	
	TI	μA7808	
MC7812	National	LM7812	
	Samsung	MC7812	
	SemTech	LAS1512	
	SGS-Thomson		
		L7812	
	SiliconG	SG7812	
	TI	μA7812	
MC7815	National	LM7815	
	Samsung	MC7815	
	SemTech	LAS1515	
	SGS-Thomson		
		L7815	
	SiliconG	MC7815	
	TI	μA7815	
	Unitrode	UC7815	
MC7818	Motorola	L7818	
	National	LM7818	
	Samsung	MC7818	
	SemTech	LAS1518	
	TI	μA7818	
MC7820	SiliconG	SG7820	
MC7824	National	LM7824	
	Samsung	MC7824	
	SemTech	LAS1524	
	SGS-Thomson		
		L7824	
	SiliconG	SG7824	
	TI	μA7824	
MC78705	LinearTech	LT323	
MC79L05	National	LM79L05	
	Panasonic	AN79L05	
	Samsung	MC79L05	
	TI	MC79L05	
MC79L12	National	LM79L12	
	Panasonic	AN79L12	
	Samsung	MC79L12	
	TI	MC79L12	
MC79L15	National	LM79L15	
	Panasonic	AN79L15	
	Samsung	MC79L15	
	TI	MC79L15	
MC79L18	Panasonic	AN79L18	
	Samsung	MC79L18	
MC79L24	Panasonic	AN79L24	
	Samsung	MC79L24	
MC79M05	National	LM79M05	
	Samsung	MC79M05	
	TI	μA79M05	
MC79M12	National	LM79M12	
	Samsung	MC79M12	
	TI	μA79M12	
MC79M15	National	LM79M15	
	Samsung	MC79M15	
	TI	μA79M15	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
MC7902	SemTech	LAS1802	
MC7905	National	LM7905	
	Samsung	MC7905	
	SemTech	LAS1805	
	SGS-Thomson	L7905	
	SiliconG	SG7905	
	TI	μA7905	
	Unitrode	UC7905	
MC7905.2CK	SemTech	LAS1805.2	
MC7906	Samsung	MC7906	
	SemTech	LAS1806	
	TI	μA7906	
MC7908	National	LM7908	
	Samsung	MC7908	
	SemTech	LAS1808	
	SGS-Thomson	L7908	
	SiliconG	SG7908	
	TI	μA7908	
MC7912	National	LM7912	
	Samsung	MC7912	
	SemTech	LAS1812	
	SGS-Thomson	L7912	
	SiliconG	SG7912	
	TI	μA7912	
MC7915	National	LM7915	
	Samsung	MC7915	
	SemTech	LAS1815	
	SGS-Thomson	L7915	
	SiliconG	SG7915	
	TI	μA7915	
	Unitrode	UC7915	
MC7918	Samsung	MC7918	
	SemTech	LAS1818	
	SGS-Thomson	L7918	
	SiliconG	SG7918	
	TI	μA7918	
MC7920	SiliconG	SG7920	
MC7924	Samsung	MC7924	
	SemTech	LAS1824	
	SGS-Thomson	L7924	
	TI	μA7924	
MC7952	SGS-Thomson	L7952	
MC8T13	National	DS75121	
♦ MC8T14	Lansdale	SL8T14	
♦ MC8T15	Lansdale	SL8T15	
♦ MC8T16	Lansdale	SL8T16	
MC8T23	National	DS75123	
MC8T24	National	DS75124	
♦ MC8T26	Lansdale	SL8T26	
	National	DS8T26	
♦ MC8T28	Lansdale	SL8T28	
	National	DS8T28	
♦ MC8T96	Lansdale	SL8T96	
♦ MC80	Lansdale	ML5480	
		SL5480	
♦ MC800	Lansdale	ML800	
	Rochester	900	
♦ MC801	Rochester	901	
♦ MC802	Lansdale	ML802	
	Rochester	902	
♦ MC803	Lansdale	ML803	
	Rochester	903	
♦ MC804	Lansdale	ML804	
	Rochester	904	
♦ MC805	Lansdale	ML805	
	Rochester	905	
♦ MC806	Lansdale	ML806	
	Rochester	906	
♦ MC807	Lansdale	ML807	
	Rochester	907	
♦ MC808	Lansdale	ML808	
	Rochester	908	
♦ MC809	Lansdale	ML809	
	Rochester	909	
♦ MC810	Lansdale	ML810	
	Rochester	910	
♦ MC811	Lansdale	ML811	
	Rochester	911	
♦ MC812	Rochester	912	
♦ MC813	Lansdale	ML813	
	Rochester	913	
♦ MC814	Lansdale	ML814	
	Rochester	914	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ MC815	Lansdale	ML815	
	Rochester	915	
♦ MC816	Lansdale	ML816	
	Rochester	923	
♦ MC817	Lansdale	ML817	
♦ MC818	Lansdale	ML818	
♦ MC819	Lansdale	ML819	
♦ MC820	Lansdale	ML820	
♦ MC8200	Lansdale	ML8200	
		SL8200	
♦ MC8201	Lansdale	ML8201	
		SL8201	
♦ MC8202	Lansdale	SL8202	
♦ MC8203	Lansdale	ML8203	
		SL8203	
♦ MC821	Lansdale	ML821	
	Rochester	921	
♦ MC822	Lansdale	ML822	
♦ MC8233	Lansdale	ML8233	
♦ MC8234	Lansdale	ML8234	
		SL8234	
♦ MC8235	Lansdale	ML8235	
		SL8235	
♦ MC824	Lansdale	ML824	
♦ MC8241	Lansdale	ML8241	
		SL8241	
♦ MC8242	Lansdale	ML8242	
♦ MC825	Lansdale	ML825	
♦ MC8250	Lansdale	ML8250	
		SL8250	
♦ MC8251	Lansdale	ML8251	
		SL8251	
♦ MC826	Lansdale	ML826	
♦ MC8260	Lansdale	ML8260	
		SL8260	
♦ MC8261	Lansdale	ML8261	
		SL8261	
♦ MC8266	Lansdale	ML8266	
		SL8266	
♦ MC8267	Lansdale	ML8267	
		SL8267	
♦ MC827	Lansdale	ML827	
	Rochester	927	
♦ MC8270	Lansdale	ML8270	
		SL8270	
♦ MC8271	Lansdale	ML8271	
		SL8271	
♦ MC828	Lansdale	ML828	
♦ MC8280	Lansdale	ML8280	
		SL8280	
♦ MC8281	Lansdale	ML8281	
		SL8281	
♦ MC8284	Lansdale	ML8284	
		SL8284	
♦ MC8285	Lansdale	ML8285	
		SL8285	
♦ MC8288	Lansdale	ML8288	
		SL8288	
♦ MC829	Lansdale	ML829	
♦ MC8290	Lansdale	ML8290	
		SL8290	
♦ MC8291	Lansdale	ML8291	
		SL8291	
♦ MC830	Lansdale	ML830	
	Rochester	930	
♦ MC8300	Lansdale	ML83	
♦ MC8301	Lansdale	ML8301	
♦ MC8304	Lansdale	ML8304	
	Rochester	9304	
♦ MC8306	Lansdale	ML8306	
♦ MC8307	Lansdale	ML8307	
	Rochester	9307	
♦ MC8308	Lansdale	ML8308	
♦ MC8309	Lansdale	ML8309	
♦ MC831	Lansdale	ML831	
♦ MC8310	Lansdale	ML8310	
	Rochester	9310	
♦ MC8311	Lansdale	ML8311	
♦ MC8312	Lansdale	ML8312	
♦ MC8314	Lansdale	ML8314	
♦ MC8316	Lansdale	ML8316	
♦ MC8317	Lansdale	ML8317	
♦ MC8318	Lansdale	ML8318	
	Rochester	9318	
♦ MC832	Lansdale	ML832	
	Rochester	932	
♦ MC8322	Lansdale	ML8322	
♦ MC8324	Lansdale	ML8324	
♦ MC8328	Lansdale	ML8328	
♦ MC833	Lansdale	ML833	
	Rochester	933	
♦ MC834	Lansdale	ML834	
♦ MC8341	Rochester	9341	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ MC8342	Rochester	9342	
♦ MC835	Lansdale	ML835	
♦ MC836	Lansdale	ML836	
	Rochester	936	
♦ MC837	Lansdale	ML837	
	Rochester	937	
♦ MC838	Lansdale	ML838	
♦ MC839	Lansdale	ML839	
♦ MC840	Lansdale	ML840	
	Rochester	935	
♦ MC841	Lansdale	ML841	
♦ MC843	Lansdale	ML843	
♦ MC844	Lansdale	ML844	
	Rochester	944	
♦ MC845	Lansdale	ML845	
	Rochester	945	
♦ MC846	Lansdale	ML846	
	Rochester	946	
♦ MC847	Lansdale	ML847	
♦ MC848	Lansdale	ML848	
	Rochester	948	
♦ MC849	Lansdale	ML849	
	Rochester	949	
♦ MC850	Lansdale	ML850	
	Rochester	950	
♦ MC851	Lansdale	ML851	
	Rochester	951	
♦ MC852	Lansdale	ML852	
	Rochester	9099	
♦ MC853	Lansdale	ML853	
	Rochester	9093	
		9135	
♦ MC855	Lansdale	ML855	
	Rochester	9097	
♦ MC856	Lansdale	ML856	
	Rochester	9094	
♦ MC857	Lansdale	ML857	
	Rochester	9157	
♦ MC858	Lansdale	ML858	
	Rochester	9158	
♦ MC8601	Lansdale	ML8601	
♦ MC8602	Lansdale	ML8602	
♦ MC861	Lansdale	ML861	
	Rochester	961	
♦ MC862	Lansdale	ML862	
	Rochester	962	
♦ MC863	Lansdale	ML863	
	Rochester	963	
♦ MC864	Lansdale	ML864	
♦ MC867	Lansdale	ML867	
♦ MC870	Lansdale	ML870	
♦ MC871	Lansdale	ML871	
♦ MC874	Lansdale	ML874	
♦ MC875	Lansdale	ML875	
♦ MC876	Lansdale	ML876	
♦ MC877	Lansdale	ML877	
♦ MC878	Lansdale	ML878	
♦ MC879	Lansdale	ML879	
♦ MC880	Lansdale	ML880	
♦ MC881	Lansdale	ML881	
♦ MC882	Lansdale	ML882	
♦ MC883	Lansdale	ML883	
♦ MC884	Lansdale	ML884	
♦ MC885	Lansdale	ML885	
♦ MC886	Lansdale	ML886	
♦ MC887	Lansdale	ML887	
♦ MC888	Lansdale	ML888	
♦ MC889	Lansdale	ML889	
♦ MC890	Lansdale	ML890	
♦ MC891	Lansdale	ML891	
♦ MC892	Lansdale	ML892	
♦ MC893	Lansdale	ML893	
♦ MC894	Lansdale	ML894	
♦ MC896	Lansdale	ML896	
♦ MC897	Lansdale	ML897	
♦ MC898	Lansdale	ML898	
♦ MC899	Lansdale	ML899	
♦ MC900	Lansdale	ML900	
	Rochester	900	
♦ MC901	Lansdale	ML901	
	Rochester	901	
♦ MC902	Lansdale	ML902	
	Rochester	902	
♦ MC903	Lansdale	ML903	
	Rochester	903	
♦ MC904	Lansdale	ML904	
	Rochester	904	
♦ MC905	Lansdale	MC905	
	Rochester	905	
♦ MC906	Lansdale	ML906	
	Rochester	906	
♦ MC907	Lansdale	ML907	
	Rochester	907	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ MC908	Lansdale	ML908	
	Rochester	908	
♦ MC909	Lansdale	ML909	
	Rochester	909	
♦ MC910	Lansdale	ML910	
	Rochester	910	
♦ MC911	Lansdale	ML911	
	Rochester	911	
♦ MC912	Lansdale	MC912	
	Rochester	912	
♦ MC913	Lansdale	ML913	
	Rochester	913	
♦ MC914	Lansdale	ML914	
	Rochester	914	
♦ MC915	Lansdale	ML915	
	Rochester	915	
♦ MC916	Lansdale	ML916	
	Rochester	923	
♦ MC917	Lansdale	ML917	
♦ MC918	Lansdale	ML918	
♦ MC919	Lansdale	ML919	
♦ MC920	Lansdale	ML920	
♦ MC921	Lansdale	ML921	
	Rochester	921	
♦ MC922	Lansdale	ML922	
♦ MC924	Lansdale	ML924	
♦ MC925	Lansdale	ML925	
♦ MC926	Lansdale	ML926	
♦ MC927	Lansdale	ML927	
	Rochester	927	
♦ MC928	Lansdale	ML928	
♦ MC929	Lansdale	ML929	
♦ MC930	Lansdale	ML930	
	Rochester	930	
♦ MC9300	Lansdale	ML9300	
♦ MC9301	Lansdale	ML9301	
♦ MC9304	Lansdale	ML9304	
	Rochester	9304	
♦ MC9306	Lansdale	ML9306	
♦ MC9307	Lansdale	ML9307	
	Rochester	9307	
♦ MC9308	Lansdale	ML9308	
♦ MC9309	Lansdale	ML9309	
♦ MC931	Lansdale	ML931	
♦ MC9310	Lansdale	ML9310	
	Rochester	9310	
♦ MC9311	Lansdale	ML9311	
♦ MC9312	Lansdale	ML9312	
		SL8230	
♦ MC9314	Lansdale	ML9314	
♦ MC9316	Lansdale	ML9316	
♦ MC9317	Lansdale	ML9317	
♦ MC9318	Lansdale	ML9318	
	Rochester	9318	
♦ MC932	Lansdale	ML932	
	Rochester	932	
♦ MC9322	Lansdale	ML9322	
♦ MC9324	Lansdale	ML9324	
♦ MC9328	Lansdale	ML9328	
		SL8277	
♦ MC933	Lansdale	ML933	
	Rochester	933	
♦ MC934	Lansdale	ML934	
♦ MC9341	Rochester	9341	
♦ MC9342	Rochester	9342	
♦ MC935	Lansdale	ML935	
	Rochester	9135	
♦ MC936	Lansdale	ML936	
	Rochester	936	
♦ MC937	Lansdale	ML937	
	Rochester	937	
♦ MC938	Lansdale	ML938	
♦ MC939	Lansdale	ML939	
♦ MC940	Lansdale	ML940	
	Rochester	935	
♦ MC941	Lansdale	ML941	
♦ MC944	Lansdale	ML944	
	Rochester	944	
♦ MC945	Lansdale	ML945	
	Rochester	945	
♦ MC946	Lansdale	ML946	
	Rochester	946	
♦ MC947	Lansdale	ML947	
♦ MC948	Lansdale	ML948	
	Rochester	948	
♦ MC949	Lansdale	ML949	
	Rochester	949	
♦ MC950	Lansdale	ML950	
	Rochester	950	
♦ MC951	Lansdale	ML951	
	Rochester	951	
♦ MC952	Lansdale	ML952	
	Rochester	9099	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
♦ MC953	Lansdale	ML953	
	Rochester	9093	
♦ MC955	Lansdale	ML955	
	Rochester	9097	
♦ MC956	Lansdale	ML956	
	Rochester	9094	
♦ MC957	Lansdale	ML957	
	Rochester	9157	
♦ MC958	Rochester	9158	
♦ MC9601	Lansdale	ML9601	
♦ MC9602	Lansdale	ML9602	
	Rochester	9602	
♦ MC961	Lansdale	ML961	
	Rochester	961	
♦ MC962	Lansdale	ML962	
	Rochester	962	
♦ MC963	Lansdale	ML963	
	Rochester	963	
♦ MC971	Lansdale	ML971	
♦ MC974	Lansdale	ML974	
♦ MC975	Lansdale	ML975	
♦ MC976	Lansdale	ML976	
♦ MC978	Lansdale	ML978	
♦ MC9801	Lansdale	ML9801	
♦ MC9802	Lansdale	ML9802	
♦ MC9804	Lansdale	ML9804	
♦ MC9807	Lansdale	ML9807	
♦ MC9809	Lansdale	ML9809	
♦ MC981	Lansdale	ML981	
	Rochester	MC981	
♦ MC9813	Lansdale	ML9813	
♦ MC9814	Lansdale	ML9814	
♦ MC9815	Lansdale	ML9815	
♦ MC9818	Lansdale	ML9818	
♦ MC9819	Lansdale	ML9819	
♦ MC982	Lansdale	ML982	
	Rochester	MC982	
♦ MC9820	Lansdale	ML9820	
♦ MC9821	Lansdale	ML9821	
♦ MC9822	Lansdale	ML9822	
♦ MC9823	Lansdale	ML9823	
♦ MC9824	Lansdale	ML9824	
♦ MC9825	Lansdale	ML9825	
♦ MC983	Lansdale	ML983	
♦ MC984	Lansdale	ML984	
♦ MC985	Lansdale	ML985	
♦ MC986	Lansdale	ML986	
♦ MC988	Lansdale	ML988	
♦ MC989	Lansdale	ML989	
♦ MC990	Lansdale	ML990	
♦ MC991	Lansdale	ML991	
♦ MC992	Lansdale	ML992	
♦ MC993	Lansdale	ML993	
♦ MC996	Lansdale	ML996	
♦ MC997	Lansdale	ML997	
♦ MC998	Lansdale	ML998	
♦ MC999	Lansdale	ML999	
MH0026	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
MK41H80	SGS-Thomson		
		MK41H80	
♦ ML1563	Lansdale	ML1563	
♦ ML1569	Lansdale	ML1569	
♦ ML4027	Lansdale	ML4027	
♦ ML4031	Lansdale	ML4031	
♦ ML4317	Lansdale	ML4317	
♦ ML477	Lansdale	ML477	
♦ ML559	Lansdale	ML559	
♦ ML561	Lansdale	ML561	
MPQ2221	Allegro		
	Micro	TPQ2221	
MPQ2222	Allegro		
	Micro	TPQ2222	
MPQ2369	Allegro		
	Micro	TPQ2369	
MPQ2483	Allegro		
	Micro	TPQ2483	
MPQ2484	Allegro		
	Micro	TPQ2484	
MPQ2906	Allegro		
	Micro	TPQ2906	
MPQ2907	Allegro		
	Micro	TPQ2907	
MPQ3724	Allegro		
	Micro	TPQ3724	
MPQ3725	Allegro		
	Micro	TPQ3725	
MPQ3798	Allegro		
	Micro	TPQ3798	
MPQ3799	Allegro		
	Micro	TPQ3799	
MPQ3904	Allegro		
	Micro	TPQ3904	
	Elantec	EN2016	
MPQ3906	Allegro		
	Micro	TPQ3906	
	Elantec	EP2015	
MPQ6001	Allegro		
	Micro	TPQ6001	
MPQ6002	Allegro		
	Micro	TPQ6002	
MPQ6100	Allegro		
	Micro	TPQ6100	
MPQ6501	Allegro		
	Micro	TPQ6501	
MPQ6502	Allegro		
	Micro	TPQ6502	
MPQ6600	Allegro		
	Micro	TPQ6600	
MPQ6700	Allegro		
	Micro	TPQ6700	
MV74F21	Motorola	MC74F21	
	TI	SN74F21	
M41256	Micro-C	41256	
M5M41000	Toshiba	TC511000	
NE555	Signetics	NE555	
	TI	NE555	
NE556	Signetics	NE556	
NE592	Signetics	NE592	
	TI	NE592	
OP215	AD	OP215	
OP27	AD	OP27	
	AnalogSys	MA332	
		MA362	
	LinearTech	LT1007	
		OP27	
OP37	AnalogSys	MA362	
	LinearTech	LT1037	
		OP37	
QD8420	Micro-C	8420	
SAA1042	Allegro		
	Micro	UCN5804	
SC414002	Micro-C	414002	
SC67124	Micro-C	67124	
SC81158	Micro-C	81158	
SC81170	Micro-C	81170	
SC81171	Micro-C	81171	
SC81181	Micro-C	81181	
SC87842	Micro-C	87842	
SC87948	Micro-C	87848	
SC87960	Micro-C	87960	
SE592	Signetics	SE592	
SG1524	LinearTech	LT1524	
		SG1524	
SG1525	LinearTech	LT1525	
		SG1525	
	SiliconG	SG1525	
	Unitrode	UC1525	
SG1526	SiliconG	SG1526	
	Unitrode	UC1526	
SG1527	LinearTech	LT1527	
		SG1527	
	SiliconG	SG1527	
	Unitrode	UC1527	
SG2525	SiliconG	SG2525	
	Unitrode	UC2525	
SG2526	SiliconG	SG2526	
	Unitrode	UC2526	
SG2527	SiliconG	SG2527	
	Unitrode	UC2527	
SG3524	LinearTech	LT3524	
		SG3524	
	Samsung	KA3524	
SG3525	LinearTech	LT3525	
		SG3525	
	Samsung	KA3525	
	SiliconG	SG3525	
	Unitrode	UC3525	
SG3526	Motorola	SG3526	
	Samsung	KA3526	
	Unitrode	UC1526	
SG3527	LinearTech	SG3527	
	Unitrode	UC3527	
SG3626	SiliconG	SG3526	
♦ SN54ALS561	TI	SN54ALS561	
SN54LS00	National	DM54LS00	
		54LS00	
	SGS-Thomson		
		T54LS00	
		54LS00	
	Signetics	54LS00	
	TI	SN54LS00	
SN54LS01	Signetics	54LS01	
	TI	SN54LS01	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN54LS02	National	DM54LS02	
		54LS02	
	SGS-Thomson		
		T54LS02	
		54LS02	
	Signetics	54LS02	
	TI	SN54LS02	
SN54LS03	National	DM54LS03	
		54LS03	
	SGS-Thomson		
		54LS03	
	Signetics	54LS03	
	TI	SN54LS03	
SN54LS04	National	DM54LS04	
		54LS04	
	SGS-Thomson		
		T54LS04	
		54LS04	
	Signetics	54LS04	
	TI	SN54LS04	
SN54LS05	National	DM54LS05	
		54LS05	
	SGS-Thomson		
		T54LS05A	
		54LS05	
	Signetics	54LS05	
	TI	SN54LS05	
SN54LS08	National	DM54LS08	
		54LS08	
	Signetics	54LS08	
	TI	SN54LS08	
SN54LS09	National	DM54LS09	
		54LS09	
	SGS-Thomson		
		T54LS09	
		54LS09	
	Signetics	54LS09	
	TI	SN54LS09	
SN54LS10	National	DM54LS10	
		54LS10	
	SGS-Thomson		
		T54LS10	
		54LS10	
	Signetics	54LS10	
	TI	SN54LS10	
SN54LS107A	National	DM54LS107A	
	Signetics	54LS107	
	TI	SN54LS107A	
SN54LS109A	National	DM54LS109	
		54LS109	
	Signetics	54LS109	
	TI	SN54LS109A	
SN54LS11	National	DM54LS11	
		54LS11	
	SGS-Thomson		
		T54LS11	
		54LS11	
	Signetics	54LS11	
	TI	SN54LS11	
SN54LS112A	National	54LS112	
	Signetics	54LS112	
	TI	SN54LS112A	
SN54LS113A	National	54LS113	
	Signetics	54LS113	
SN54LS114A	National	54LS114	
	SGS-Thomson		
		T54LS114	
	TI	SN54LS114A	
SN54LS12	National	DM54LS12	
	TI	SN54LS12	
SN54LS122	TI	SN54LS122	
SN54LS123	TI	SN54LS123	
SN54LS125A	National	DM54LS125A	
		54LS125A	
	SGS-Thomson		
		54LS125A	
	Signetics	54LS125A	
	TI	SN54LS125A	
SN54LS126A	National	54LS126	
	SGS-Thomson		
		54LS126	
	Signetics	54LS126A	
	TI	SN54LS126A	
SN54LS13	National	54LS13	
	SGS-Thomson		
		T54LS13	
	Signetics	54LS13	
	TI	SN54LS13	
SN54LS132	National	DM54LS132	
	SGS-Thomson		
		T54LS132	
		54LS132	
	Signetics	54LS132	
		54LS132A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN54LS132			(Cont'd)
	TI	SN54LS132	
SN54LS133	National	54LS133	
SN54LS136	National	DM54LS136	
		54LS136	
	SGS-Thomson		
		T54LS136	
		54LS136	
	Signetics	54LS136	
	TI	SN54LS136	
SN54LS138	National	DM54LS138	
		54LS138	
	SGS-Thomson		
		T54LS138	
		54LS138	
	Signetics	54LS138	
	TI	SN54LS138	
SN54LS139	National	DM54LS139	
		54LS139	
	SGS-Thomson		
		T54LS139	
		54LS139	
	Signetics	54LS139	
	TI	SN54LS139A	
SN54LS14	National	54LS14	
	SGS-Thomson		
		T54LS14	
		54LS14	
	Signetics	54LS14	
	TI	SN54LS14	
SN54LS148	TI	SN54LS148	
SN54LS15	National	54LS15	
	SGS-Thomson		
		T54LS15	
		54LS15	
	TI	SN54LS15	
SN54LS151	National	DM54LS151	
		54LS151	
	SGS-Thomson		
		T54LS151	
		54LS151	
	Signetics	54LS151	
	TI	SN54LS151	
SN54LS153	National	DM54LS153	
		54LS153	
	Signetics	54LS153	
	TI	SN54LS153	
SN54LS155	National	DM54LS155	
		54LS155	
	SGS-Thomson		
		T54LS155	
		54LS155	
	Signetics	54LS155	
	TI	SN54LS155A	
SN54LS156	National	DM54LS156	
		54LS156	
	SGS-Thomson		
		T54LS156	
		54LS156	
	Signetics	54LS156	
	TI	SN54LS156	
SN54LS157	National	DM54LS157	
		54LS157	
	SGS-Thomson		
		T54LS157	
		54LS157	
	Signetics	54LS157	
	TI	SN54LS157	
SN54LS158	National	DM54LS158	
		54LS158	
	SGS-Thomson		
		T54LS158	
		54LS158	
	Signetics	54LS158	
	TI	SN54LS158	
SN54LS160A	National	54LS160A	
	Signetics	54LS160A	
	TI	SN54LS160A	
SN54LS161A	National	DM54LS161A	
		54LS161	
	Signetics	54LS161A	
	TI	SN54LS161A	
SN54LS162A	National	54LS162A	
	Signetics	54LS162A	
	TI	SN54LS162A	
SN54LS163A	National	DM54LS163A	
		54LS163A	
	Signetics	54LS163A	
	TI	SN54LS163A	
SN54LS164	National	DM54LS164	
		54LS164	
	Signetics	54LS164	
		54LS164B	
	TI	SN54LS164	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
SN54LS165	National	54LS165	
	Rochester	54LS165A	
	TI	SN54LS165A	
SN54LS166	TI	SN54LS166A	
SN54LS168	National	DM54LS168A	
		54LS168	
	SGS-Thomson		
		T54LS168	
	Signetics	54LS168A	
SN54LS169	National	DM54LS169A	
		54LS169	
	SGS-Thomson		
		T54LS169	
	Signetics	54LS169A	
	TI	SN54LS169B	
SN54LS170	National	54LS170	
	SGS-Thomson		
		T54LS170	
		54LS170	
	Signetics	54LS170	
	TI	SN54LS170	
SN54LS173A	National	54LS173A	
	Signetics	54LS173	
	TI	SN54LS173A	
SN54LS174	National	DM54LS174	
		54LS174	
	SGS-Thomson		
		T54LS174	
		54LS174	
	Signetics	54LS174	
	TI	SN54LS174	
SN54LS175	National	DM54LS175	
		54LS175	
	SGS-Thomson		
		T54LS175	
		54LS175	
	Signetics	54LS175	
	TI	SN54LS175	
SN54LS181	National	54LS181	
	Signetics	54LS181	
	TI	SN54LS181	
♦ SN54LS183	TI	SN54LS183	
SN54LS190	National	DM54LS190	
	Signetics	54LS190	
	TI	SN54LS190	
SN54LS191	National	DM54LS191	
	Signetics	54LS191	
	TI	SN54LS191	
SN54LS192	National	54LS192	
	SGS-Thomson		
		T54LS192	
		54LS192	
	Signetics	54LS192	
	TI	SN54LS192	
SN54LS193	National	DM54LS193	
		54LS193	
	SGS-Thomson		
		T54LS193	
		54LS193	
	Signetics	54LS193	
	TI	SN54LS193	
SN54LS194A	National	54LS194A	
	SGS-Thomson		
		T54LS194A	
	Signetics	54LS194A	
	TI	SN54LS194A	
SN54LS195A	National	54LS195	
	SGS-Thomson		
		T54LS195A	
		54LS195A	
	TI	SN54LS195A	
SN54LS196	TI	SN54LS196	
SN54LS197	Signetics	54LS197	
	TI	SN54LS197	
SN54LS20	National	DM54LS20	
		54LS20	
	SGS-Thomson		
		T54LS20	
		54LS20	
	Signetics	54LS20	
	TI	SN54LS20	
SN54LS21	National	DM54LS21	
		54LS21	
	Signetics	54LS21	
	TI	SN54LS21	
SN54LS22	National	54LS22	
	SGS-Thomson		
		T54LS22	
		54LS22	
	TI	SN54LS22	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN54LS221	National	DM54LS221	
	Signetics	54LS221	
	TI	SN54LS221	
SN54LS240	National	DM54LS240	
		54LS240	
	SGS-Thomson		
		T54LS240	
		54LS240	
	Signetics	54LS240	
	TI	SN54LS240	
SN54LS241	National	DM54LS241	
		54LS241	
	Signetics	54LS241	
	TI	SN54LS241	
SN54LS242	National	DM54LS242	
	Signetics	54LS242	
	TI	SN54LS242	
SN54LS243	National	DM54LS243	
	Signetics	54LS243	
	TI	SN54LS243	
SN54LS244	National	54LS244	
	Signetics	54LS244	
	TI	SN54LS244	
SN54LS245	National	DM54LS245	
		54LS245	
	Signetics	54LS245	
	TI	SN54LS245	
SN54LS247	National	54LS247	
	TI	SN54LS247	
SN54LS248	National	54LS248	
	TI	SN54LS248	
SN54LS251	National	DM54LS251	
	Signetics	54LS251	
	TI	SN54LS251	
SN54LS253	National	DM54LS253	
		54LS253	
	Signetics	54LS253	
	TI	SN54LS253	
SN54LS256	National	54LS256	
	SGS-Thomson		
		T54LS256	
	Signetics	54LS256	
SN54LS257A	National	DM54LS257B	
		54LS257A	
	Signetics	54LS257A	
	TI	SN54LS257B	
SN54LS258A	National	DM54LS258B	
		54LS258A	
	SGS-Thomson		
		T54LS258A	
		54LS258	
	Signetics	54LS258A	
	TI	SN54LS258B	
SN54LS259	National	DM54LS259	
		54LS259	
	SGS-Thomson		
		T54LS259	
		54LS259	
	Signetics	54LS259	
	TI	SN54LS259B	
SN54LS26	National	DM54LS26	
		54LS26	
	Signetics	54LS26	
	TI	SN54LS26	
SN54LS260	National	54LS260	
	SGS-Thomson		
		T54LS260	
	Signetics	54LS260A	
SN54LS266	National	54LS266	
	SGS-Thomson		
		T54LS266	
		54LS266	
	Signetics	54LS266	
	TI	SN54LS266	
SN54LS27	National	DM54LS27	
		54LS27	
	SGS-Thomson		
		T54LS27	
		54LS27	
	Signetics	54LS27	
	TI	SN54LS27	
SN54LS273	National	54LS273	
	SGS-Thomson		
		T54LS273	
		54LS273	
	Signetics	54LS273	
	TI	SN54LS273	
SN54LS279	National	DM54LS279	
		54LS279	
	SGS-Thomson		
		T54LS279	
		54LS279	
	Signetics	54LS279	
	TI	SN54LS279A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN54LS28	National	54LS28	
	SGS-Thomson		
		T54LS28	
	Signetics	54LS28	
	TI	SN54LS28	
SN54LS280	SGS-Thomson		
		T54LS280	
		54LS280	
	TI	SN54LS280	
SN54LS283	National	DM54LS283	
		54LS283	
	SGS-Thomson		
		54LS283	
	Signetics	54LS283	
	TI	SN54LS283	
SN54LS290	SGS-Thomson		
		54LS290	
	Signetics	54LS290	
	TI	SN54LS290	
SN54LS293	SGS-Thomson		
		T54LS293	
		54LS293	
	Signetics	54LS293	
	TI	SN54LS293	
SN54LS298	National	54LS298	
	SGS-Thomson		
		54LS298	
	Signetics	54LS298	
	TI	SN54LS298	
SN54LS299	National	54LS299	
	TI	SN54LS299	
SN54LS30	National	DM54LS30	
		54LS30	
	SGS-Thomson		
		T54LS30	
		54LS30	
	Signetics	54LS30	
	TI	SN54LS30	
SN54LS32	National	DM54LS32	
		54LS32	
	SGS-Thomson		
		T54LS32	
		54LS32	
	Signetics	54LS32	
	TI	SN54LS32	
SN54LS323	National	54LS323	
	TI	SN54LS323	
SN54LS33	National	54LS33	
	SGS-Thomson		
		T54LS33	
	Signetics	54LS33	
	TI	SN54LS33	
SN54LS365A	National	DM54LS365A	
		54LS365	
	SGS-Thomson		
		T54LS365A	
		54LS365	
	Signetics	54LS365A	
	TI	SN54LS365A	
SN54LS366A	National	DM54LS366A	
		54LS366	
	SGS-Thomson		
		T54LS366A	
		54LS366	
	Signetics	54LS366A	
	TI	SN54LS366A	
SN54LS367A	National	DM54LS367A	
		54LS367	
	SGS-Thomson		
		T54LS367A	
		54LS367	
	Signetics	54LS367A	
	TI	SN54LS367A	
SN54LS368A	National	DM54LS368A	
		54LS368	
	SGS-Thomson		
		T54LS368A	
		54LS368	
	Signetics	54LS368A	
	TI	SN54LS368A	
SN54LS37	National	DM54LS37	
		54LS37	
	SGS-Thomson		
		T54LS37	
		54LS37	
	Signetics	54LS37	
	TI	SN54LS37	
SN54LS373	National	DM54LS373	
	SGS-Thomson		
		T54LS373	
		54LS373	
	Signetics	54LS373	
	TI	SN54LS373	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN54LS374	National	DM54LS374	
		54LS374	
	SGS-Thomson		
		T54LS374	
		54LS374	
	Signetics	54LS374	
	TI	SN54LS374	
SN54LS375	National	54LS375	
	Signetics	54LS375	
	TI	SN54LS375	
SN54LS377	National	54LS377	
	SGS-Thomson		
		T54LS377	
		54LS377	
	Signetics	54LS377	
	TI	SN54LS377	
SN54LS378	National	54LS378	
	SGS-Thomson		
		T54LS378	
	Signetics	54LS378	
	TI	SN54LS378	
SN54LS379	National	54LS379	
	SGS-Thomson		
		T54LS379	
	TI	SN54LS379	
SN54LS38	National	DM54LS38	
		54LS38	
	SGS-Thomson		
		T54LS38	
		54LS38	
	Signetics	54LS38	
	TI	SN54LS38	
SN54LS386	TI	SN54LS386A	
SN54LS390	SGS-Thomson		
		T54LS390	
		54LS390	
	Signetics	54LS390	
	TI	SN54LS390	
SN54LS393	SGS-Thomson		
		T54LS393	
	Signetics	54LS393	
	TI	SN54LS393	
SN54LS399	TI	SN54LS399	
SN54LS40	National	54LS40	
	SGS-Thomson		
		T54LS40	
		54LS40	
	Signetics	54LS40	
	TI	SN54LS40	
SN54LS42	National	DM54LS42	
		54LS42	
	SGS-Thomson		
		T54LS42	
		54LS42	
	Signetics	54LS42	
	TI	SN54LS42	
SN54LS47	National	54LS47	
	TI	SN54LS47	
SN54LS48	National	54LS48	
	TI	SN54LS48	
SN54LS490	National	54LS490	
	SGS-Thomson		
		T54LS490	
	Signetics	54LS490	
	TI	SN54LS490	
SN54LS51	National	54LS51	
	Signetics	54LS51	
	TI	SN54LS51	
SN54LS54	National	54LS54	
	SGS-Thomson		
		T54LS54	
		54LS54	
	Signetics	54LS54	
	TI	SN54LS54	
SN54LS540	Signetics	54LS540	
	TI	SN54LS540	
SN54LS541	Signetics	54LS541	
	TI	SN54LS541	
SN54LS55	National	54LS55	
	SGS-Thomson		
		T54LS55	
		54LS55	
♦ SN54LS621	Signetics	54LS621	
♦ SN54LS622	Signetics	54LS622	
SN54LS623	Signetics	54LS623	
SN54LS640	Signetics	54LS640	
	TI	SN54LS640	
SN54LS641	Signetics	54LS641	
	TI	SN54LS641	
SN54LS642	Signetics	54LS642	
	TI	SN54LS642	
SN54LS645	Signetics	54LS645	
	TI	SN54LS645	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
SN54LS670	National	DM54LS670	
		54LS670	
	SGS-Thomson		
		54LS670	
	Signetics	54LS670	
	TI	SN54LS670	
SN54LS74A	National	DM54LS74	
		54LS74	
	SGS-Thomson		
		T54LS74A	
		54LS74	
	Signetics	54LS74A	
	TI	SN54LS74A	
SN54LS75	National	DM54LS75	
	Signetics	54LS75	
	TI	SN54LS75	
SN54LS76A	Signetics	54LS76	
	TI	SN54LS76A	
SN54LS83A	National	DM54LS83A	
		54LS83A	
	SGS-Thomson		
		54LS83A	
	Signetics	54LS83A	
	TI	SN54LS83A	
SN54LS85	National	DM54LS85	
		54LS85	
	Signetics	54LS85	
	TI	SN54LS85	
SN54LS86	National	DM54LS86	
	Signetics	54LS86	
	TI	SN54LS86A	
SN54LS90	Signetics	54LS90	
	TI	SN54LS90	
♦ SN54LS91	TI	SN54LS91	
SN54LS92	Signetics	54LS92	
	TI	SN54LS92	
SN54LS93	SGS-Thomson		
		T54LS93	
		54LS93	
	Signetics	54LS93	
	TI	SN54LS93	
SN54LS95B	National	54LS95B	
	Signetics	54LS95B	
	TI	SN54LS95B	
♦ SN74ALS153	Mitsubishi	M74ALS153	
	National	DM74ALS153	
	Signetics	74ALS153	
	TI	SN74ALS153	
SN74LS00	GoldStar	GD74LS00	
	Hitachi	HD74LS00	
	National	DM74LS00	
		74LS00	
	Rochester	74LS00	
	SGS-Thomson		
		T74LS00	
		74LS00	
	Signetics	74LS00	
	TI	SN74LS00	
SN74LS01	Hitachi	HD74LS01	
	SGS-Thomson		
		T74LS01	
		74LS01	
	Signetics	74LS01	
	TI	SN74LS01	
SN74LS02	GoldStar	GD74LS02	
	Hitachi	HD74LS02	
	National	DM74LS02	
		74LS02	
	SGS-Thomson		
		T74LS02	
		74LS02	
	Signetics	74LS02	
	TI	SN74LS02	
SN74LS03	Hitachi	HD74LS03	
	National	DM74LS03	
		74LS03	
	Rochester	74LS03	
	SGS-Thomson		
		T74LS03A	
		74LS03	
	TI	SN74LS03	
SN74LS04	GoldStar	GD74LS04	
	Hitachi	HD74LS04	
	National	DM74LS04	
		74LS04	
	Rochester	74LS04	
	SGS-Thomson		
		T74LS04	
		74LS04	
	Signetics	74LS04	
	TI	SN74LS04	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS05	GoldStar	GD74LS05	
	Hitachi	HD74LS05	
	National	DM74LS05	
		74LS05	
	Rochester	74LS05	
	SGS-Thomson		
		T74LS05A	
		74LS05	
	Signetics	74LS05	
	TI	SN74LS05	
SN74LS08	GoldStar	GD74LS08	
	Hitachi	HD74LS08	
	National	DM74LS08	
		74LS08	
	Rochester	74LS08	
	SGS-Thomson		
		T74LS08	
		74LS08	
	Signetics	74LS08	
	TI	SN74LS08	
SN74LS09	Hitachi	HD74LS09	
	National	DM74LS09	
		74LS09	
	Rochester	74LS09	
	SGS-Thomson		
		T74LS09	
		74LS09	
	Signetics	74LS09	
	TI	SN74LS09	
SN74LS10	GoldStar	GD74LS10	
	Hitachi	HD74LS10	
	National	DM74LS10	
		74LS10	
	Rochester	74LS10	
	SGS-Thomson		
		T74LS10	
		74LS10	
	Signetics	74LS10	
	TI	SN74LS10	
SN74LS107A	Hitachi	HD74LS107A	
	National	DM74LS107A	
	Signetics	74LS107	
	TI	SN74LS107A	
SN74LS109A	Hitachi	HD74LS109A	
	National	DM74LS109	
		74LS109	
	SGS-Thomson		
		T74LS109A	
	Signetics	74LS109	
	TI	SN74LS109A	
SN74LS11	GoldStar	GD74LS11	
	Hitachi	HD74LS11	
	National	DM74LS11	
		74LS11	
	Rochester	74LS11	
	SGS-Thomson		
		T74LS11	
		74LS11	
	Signetics	74LS11	
	TI	SN74LS11	
SN74LS112A	Hitachi	HD74LS112	
	National	DM74LS112	
		74LS112	
	SGS-Thomson		
		T74LS112A	
	Signetics	74LS112	
	TI	SN74LS112A	
SN74LS113A	Hitachi	HD74LS113	
	Rochester	74LS113	
	SGS-Thomson		
		T74LS113A	
	Signetics	74LS113	
	TI	SN74LS113A	
SN74LS114A	Hitachi	HD74LS114	
	Rochester	74LS114	
	SGS-Thomson		
		T74LS114A	
	TI	SN74LS114A	
SN74LS12	Hitachi	HD74LS12	
	National	DM74LS12	
		74LS12	
	Rochester	74LS12	
	SGS-Thomson		
		T74LS12	
		74LS12	
	TI	SN74LS12	
SN74LS122	Hitachi	HD74LS122	
	National	DM74LS122	
	TI	SN74LS122	
SN74LS123	GoldStar	GD74LS123	
	Hitachi	HD74LS123	
	National	DM74LS123	
	TI	SN74LS123	

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS125A	GoldStar	GD74LS125A	
	Hitachi	HD74LS125A	
	National	DM74LS125A	
		74LS125	
	SGS-Thomson		
		T74LS125A	
		74LS125A	
	Signetics	74LS125A	
	TI	SN74LS125A	
SN74LS126A	Hitachi	HD74LS126A	
	National	DM74LS126	
		74LS126	
	SGS-Thomson		
		T74LS126A	
		74LS126	
	Signetics	74LS126A	
	TI	SN74LS126A	
SN74LS13	Hitachi	HD74LS13	
	National	74LS13	
	SGS-Thomson		
		T74LS13	
		74LS13	
	Signetics	74LS13	
	TI	SN74LS13	
SN74LS132	Hitachi	HD74LS132	
	National	DM74LS132	
		74LS132	
	SGS-Thomson		
		T74LS132	
		74LS132	
	Signetics	74LS132	
	TI	SN74LS132	
SN74LS133	National	74LS133	
	SGS-Thomson		
		T74LS133	
		74LS133	
SN74LS136	Hitachi	HD74LS136	
	National	74LS136	
	SGS-Thomson		
		T74LS136	
		74LS136	
	Signetics	74LS136	
	TI	SN74LS136	
SN74LS137	TI	SN74LS137	
SN74LS138	GoldStar	GD74LS138	
	Hitachi	HD74LS138	
	National	DM74LS138	
		74LS138	
	SGS-Thomson		
		T74LS138	
		74LS138	
	Signetics	74LS138	
	TI	SN74LS138	
SN74LS139	GoldStar	GD74LS139	
	Hitachi	HD74LS139	
	National	DM74LS139	
		74LS139	
	SGS-Thomson		
		T74LS139	
		74LS139	
	Signetics	74LS139	
	TI	SN74LS139A	
SN74LS14	GoldStar	GD74LS14	
	Hitachi	HD74LS14	
	National	DM74LS14	
		74LS14	
	SGS-Thomson		
		T74LS14	
		74LS14	
	Signetics	74LS14	
	TI	SN74LS14	
SN74LS145	Hitachi	HD74LS145	
	TI	SN74LS145	
SN74LS147	TI	SN74LS147	
SN74LS148	Hitachi	HD74LS148	
	SGS-Thomson		
		T74LS148	
	TI	SN74LS148	
SN74LS15	Hitachi	HD74LS15	
	National	74LS15	
	SGS-Thomson		
		T74LS15	
		74LS15	
	TI	SN74LS15	
SN74LS151	Hitachi	HD74LS151A	
	National	DM74LS151	
		74LS151	
	SGS-Thomson		
		T74LS151	
		74LS151	
	Signetics	74LS151	
	TI	SN74LS151	
SN74LS153	GoldStar	GD74LS153	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS153			(Cont'd)
	National	DM74LS153	
		74LS153	
	SGS-Thomson		
		T74LS153	
		74LS153	
	Signetics	74LS153	
	TI	SN74LS153	
SN74LS155	Hitachi	HD74LS155	
	National	DM74LS155	
		74LS155	
	SGS-Thomson		
		T74LS155	
		74LS155	
	Signetics	74LS155	
	TI	SN74LS155A	
SN74LS156	Hitachi	HD74LS156	
	National	DM74LS156	
		74LS156	
	SGS-Thomson		
		T74LS156	
		74LS156	
	Signetics	74LS156	
	TI	SN74LS156	
SN74LS157	GoldStar	GD74LS157	
	Hitachi	HD74LS157	
	National	DM74LS157	
		74LS157	
	SGS-Thomson		
		T74LS157	
		74LS157	
	Signetics	74LS157	
	TI	SN74LS157	
SN74LS158	GoldStar	GD74LS158	
	Hitachi	HD74LS158	
	National	DM74LS158	
		74LS158	
	Rochester	74LS158	
	SGS-Thomson		
		T74LS158	
		74LS158	
	Signetics	74LS158	
	TI	SN74LS158	
SN74LS160A	Hitachi	HD74LS160A	
	National	74LS160	
	Signetics	74LS160A	
	TI	SN74LS160A	
SN74LS161A	GoldStar	GD74LS161A	
	Hitachi	HD74LS161A	
	National	DM74LS161A	
		74LS161	
	Signetics	74LS161A	
	TI	SN74LS161A	
SN74LS162A	Hitachi	HD74LS162A	
	National	74LS162	
	Signetics	74LS162A	
	TI	SN74LS162A	
SN74LS163A	GoldStar	GD74LS163A	
	Hitachi	HD74LS163A	
	National	DM74LS163A	
		74LS163	
	Signetics	74LS163A	
	TI	SN74LS163A	
SN74LS164	GoldStar	GD74LS164	
	Hitachi	HD74LS164	
	National	DM74LS164	
		74LS164	
	SGS-Thomson		
		T74LS164	
		74LS164	
	Signetics	74LS164	
	TI	SN74LS164	
SN74LS165	Hitachi	HD74LS165A	
	National	74LS165	
	TI	SN74LS165A	
SN74LS166	National	DM74LS166	
	SGS-Thomson		
		T74LS166	
		74LS166	
	TI	SN74LS166A	
SN74LS168	SGS-Thomson		
		T74LS168	
		74LS168	
SN74LS169	National	DM74LS169A	
		74LS169	
	Rochester	74LS169	
	SGS-Thomson		
		T74LS169	
		74LS169	
	Signetics	74LS169A	
	TI	SN74LS169B	
SN74LS170	Hitachi	HD74LS170	
	National	74LS170	
			(Continued)

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The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
SN74LS170			(Cont'd)
	SGS-Thomson		
		T74LS170	
		74LS170	
	TI	SN74LS170	
SN74LS173A	National	74LS173A	
	Signetics	74LS173	
	TI	SN74LS173A	
SN74LS174	GoldStar	GD74LS174	
	Hitachi	HD74LS174	
	National	DM74LS174	
		74LS174	
	SGS-Thomson		
		T74LS174	
		74LS174	
	Signetics	74LS174	
	TI	SN74LS174	
SN74LS175	GoldStar	GD74LS175	
	Hitachi	HD74LS175	
	National	DM74LS175	
		74LS175	
	SGS-Thomson		
		T74LS175	
		74LS175	
	Signetics	74LS175	
	TI	SN74LS175	
SN74LS181	Hitachi	HD74LS181	
	National	74LS181	
	SGS-Thomson		
		T74LS181	
		74LS181	
	TI	SN74LS181	
SN74LS190	Hitachi	HD74LS190	
	National	DM74LS190	
		74LS190	
	SGS-Thomson		
		T74LS190	
		74LS190	
	TI	SN74LS190	
SN74LS191	Hitachi	HD74LS191	
	National	DM74LS191	
		74LS191	
	SGS-Thomson		
		T74LS191	
		74LS191	
	Signetics	74LS191	
	TI	SN74LS191	
SN74LS192	Hitachi	HD74LS192	
	National	74LS192	
	SGS-Thomson		
		T74LS192	
		74LS192	
	Signetics	74LS192	
	TI	SN74LS192	
SN74LS193	Hitachi	HD74LS193	
	National	DM74LS193	
		74LS193	
	SGS-Thomson		
		T74LS193	
		74LS193	
	Signetics	74LS193	
	TI	SN74LS193	
SN74LS194A	GoldStar	GD74LS194A	
	Hitachi	HD74LS194A	
	National	DM74LS194A	
	Rochester	74LS194	
	SGS-Thomson		
		T74LS194A	
		74LS194	
	Signetics	74LS194A	
	TI	SN74LS194A	
SN74LS195A	Hitachi	HD74LS195A	
	National	DM74LS195A	
	SGS-Thomson		
		T74LS195A	
		74LS195	
	Signetics	74LS195A	
	TI	SN74LS195A	
SN74LS196	National	74LS196	
	SGS-Thomson		
		T74LS196	
		74LS196	
	TI	SN74LS196	
SN74LS197	National	74LS197	
	SGS-Thomson		
		T74LS197	
		74LS197	
	Signetics	74LS197	
	TI	SN74LS197	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS20	Hitachi	HD74LS20	
	National	DM74LS20	
		74LS20	
	Rochester	74LS20	
	SGS-Thomson		
		T74LS20	
		74LS20	
	Signetics	74LS20	
	TI	SN74LS20	
SN74LS21	GoldStar	GD74LS21	
	Hitachi	HD74LS21	
	National	DM74LS21	
		74LS21	
	Rochester	74LS21	
	SGS-Thomson		
		T74LS21	
		74LS21	
	Signetics	74LS21	
	TI	SN74LS21	
SN74LS22	Hitachi	HD74LS22	
	SGS-Thomson		
		T74LS22	
		74LS22	
SN74LS221	Hitachi	HD74LS221	
	National	DM74LS221	
	TI	SN74LS221	
SN74LS240	GoldStar	GD74LS240	
	Hitachi	HD74LS240	
	National	DM74LS240	
		74LS240	
	SGS-Thomson		
		T74LS240	
		74LS240	
	Signetics	74LS240	
	TI	SN74LS240	
SN74LS241	GoldStar	GD74LS241	
	Hitachi	HD74LS241	
	National	DM74LS241	
		74LS241	
	SGS-Thomson		
		T74LS241	
		74LS241	
	Signetics	74LS241	
	TI	SN74LS241	
SN74LS242	Hitachi	HD74LS242	
	Signetics	74LS242	
	TI	SN74LS242	
SN74LS243	Hitachi	HD74LS243	
	National	DM74LS243	
	Signetics	74LS243	
	TI	SN74LS243	
SN74LS244	GoldStar	GD74LS244	
	Hitachi	HD74LS244	
	National	DM74LS244	
		74LS244	
	SGS-Thomson		
		T74LS244	
		74LS244	
	Signetics	74LS244	
	TI	SN74LS244	
SN74LS245	GoldStar	GD74LS245	
	Hitachi	HD74LS245	
	National	DM74LS245	
		74LS245	
	Rochester	74LS245	
	SGS-Thomson		
		T74LS245	
		74LS245	
	Signetics	74LS245	
	TI	SN74LS245	
SN74LS247	Hitachi	HD74LS247	
	National	74LS247	
	TI	SN74LS247	
SN74LS248	Hitachi	HD74LS248	
	National	74LS248	
SN74LS251	Hitachi	HD74LS251	
	National	DM74LS251	
		74LS251	
	Rochester	74LS251	
	SGS-Thomson		
		T74LS251	
		74LS251	
	Signetics	74LS251	
	TI	SN74LS251	
SN74LS253	Hitachi	HD74LS253	
	National	DM74LS253	
		74LS253	
	Rochester	74LS253	
	SGS-Thomson		
		T74LS253	
		74LS253	
	Signetics	74LS253	
	TI	SN74LS253	

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS256	National	74LS256	
	SGS-Thomson		
		T74LS256	
		74LS256	
	Signetics	74LS256	
SN74LS257A	GoldStar	GD74LS257A	
	Hitachi	HD74LS257	
	National	DM74LS257B	
		74LS257	
	Rochester	74LS257	
	SGS-Thomson		
		T74LS257A	
		74LS257	
	Signetics	74LS257A	
	TI	SN74LS257B	
SN74LS258A	Hitachi	HD74LS258	
	National	DM74LS258B	
		74LS258	
	Rochester	74LS258	
	SGS-Thomson		
		T74LS258A	
		74LS258	
	Signetics	74LS258A	
	TI	SN74LS258B	
SN74LS259	Hitachi	HD74LS259	
	National	DM74LS259	
		74LS259	
	Rochester	74LS259	
	SGS-Thomson		
		T74LS259	
		74LS259	
	Signetics	74LS259	
	TI	SN74LS259B	
SN74LS26	Hitachi	HD74LS26	
	National	DM74LS26	
		74LS26	
	Rochester	74LS26	
	SGS-Thomson		
		T74LS26A	
		74LS26	
	Signetics	74LS26	
	TI	SN74LS26	
SN74LS260	National	74LS260	
	SGS-Thomson		
		T74LS260	
		74LS260	
	Signetics	74LS260	
SN74LS266	Hitachi	HD74LS266	
	National	74LS266	
	SGS-Thomson		
		T74LS266	
		74LS266	
	Signetics	74LS266	
	TI	SN74LS266	
SN74LS27	GoldStar	GD74LS27	
	Hitachi	HD74LS27	
	National	DM74LS27	
		74LS27	
	Rochester	74LS27	
	SGS-Thomson		
		T74LS27	
		74LS27	
	Signetics	74LS27	
	TI	SN74LS27	
SN74LS273	GoldStar	GD74LS273	
	Hitachi	HD74LS273	
	National	74LS273	
	SGS-Thomson		
		T74LS273	
		74LS273	
	Signetics	74LS273	
	TI	SN74LS273	
SN74LS279	Hitachi	HD74LS279	
	National	DM74LS279	
		74LS279	
	Rochester	74LS279	
	SGS-Thomson		
		T74LS279	
		74LS279	
	TI	SN74LS279A	
SN74LS28	National	74LS28	
	SGS-Thomson		
		T74LS28	
		74LS28	
	TI	SN74LS28	
SN74LS280	GoldStar	GD74LS280	
	Hitachi	HD74LS280	
	SGS-Thomson		
		T74LS280	
		74LS280	
	TI	SN74LS280	
SN74LS283	Hitachi	HD74LS283A	
	National	DM74LS283	
		74LS283	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS283			(Cont'd)
	SGS-Thomson		
		T74LS283	
		74LS283	
	Signetics	74LS283	
	TI	SN74LS283	
SN74LS290	Hitachi	HD74LS290	
	National	DM74LS290	
		74LS290	
	Signetics	74LS290	
	TI	SN74LS290	
SN74LS293	Hitachi	HD74LS293	
	National	DM74LS293	
		74LS293	
	SGS-Thomson		
		T74LS293	
		74LS293	
	Signetics	74LS293	
	TI	SN74LS293	
SN74LS298	Hitachi	HD74LS298	
	National	74LS298	
	SGS-Thomson		
		T74LS298	
		74LS298	
	Signetics	74LS298	
	TI	SN74LS298	
SN74LS299	GoldStar	GD74LS299	
	Hitachi	HD74LS299	
	National	74LS299	
	TI	SN74LS299	
SN74LS30	GoldStar	GD74LS30	
	Hitachi	HD74LS30	
	National	DM74LS30	
		74LS30	
	Rochester	74LS30	
	SGS-Thomson		
		T74LS30	
		74LS30	
	Signetics	74LS30	
	TI	SN74LS30	
SN74LS32	GoldStar	GD74LS32	
	Hitachi	HD74LS32	
	National	DM74LS32	
		74LS32	
	Rochester	74LS32	
	SGS-Thomson		
		T74LS32	
		74LS32	
	Signetics	74LS32	
	TI	SN74LS32	
SN74LS322A	National	74LS322	
	TI	SN74LS322A	
SN74LS323	National	74LS323	
	TI	SN74LS323	
SN74LS33	National	74LS33	
	SGS-Thomson		
		T74LS33	
		74LS33	
	Signetics	74LS33	
	TI	SN74LS33	
SN74LS348	TI	SN74LS348	
SN74LS352	National	DM74LS352	
		74LS352	
	SGS-Thomson		
		T74LS352	
		74LS352	
	Signetics	74LS352	
	TI	SN74LS352	
SN74LS353	National	74LS353	
	SGS-Thomson		
		T74LS353	
		74LS353	
	Signetics	74LS353	
	TI	SN74LS353	
SN74LS365A	Hitachi	HD74LS365A	
	National	DM74LS365A	
		74LS365	
	Rochester	74LS365	
	SGS-Thomson		
		T74LS365A	
		74LS365A	
	Signetics	74LS365A	
	TI	SN74LS365A	
SN74LS366A	Hitachi	HD74LS366A	
	National	DM74LS366A	
		74LS366	
	SGS-Thomson		
		T74LS366A	
		74LS366A	
	Signetics	74LS366A	
	TI	SN74LS366A	
SN74LS367A	GoldStar	GD74LS367A	
	Hitachi	HD74LS367A	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
SN74LS367A			(Cont'd)
	National	DM74LS367A	
		74LS367	
	Rochester	74LS367	
	SGS-Thomson		
		T74LS367A	
		74LS367A	
	Signetics	74LS367A	
	TI	SN74LS367A	
SN74LS368A	Hitachi	HD74LS368A	
	National	DM74LS368A	
		74LS368	
	Rochester	74LS368	
	SGS-Thomson		
		T74LS368A	
		74LS368A	
	Signetics	74LS368A	
	TI	SN74LS368A	
SN74LS37	Hitachi	HD74LS37	
	National	DM74LS37	
		74LS37	
	Rochester	74LS37	
	SGS-Thomson		
		T74LS37	
		74LS37	
	Signetics	74LS37	
	TI	SN74LS37	
SN74LS373	GoldStar	GD74LS373	
	Hitachi	HD74LS373	
	National	DM74LS373	
		74LS373	
	SGS-Thomson		
		T74LS373	
		74LS373	
	Signetics	74LS373	
	TI	SN74LS373	
SN74LS374	GoldStar	GD74LS374	
	Hitachi	HD74LS374	
	National	DM74LS374	
		74LS374	
	SGS-Thomson		
		T74LS374	
		74LS374	
	Signetics	74LS374	
	TI	SN74LS374	
SN74LS375	Hitachi	HD74LS375	
	National	74LS375	
	Signetics	74LS375	
	TI	SN74LS375	
SN74LS377	National	74LS377	
	SGS-Thomson		
		T74LS377	
		74LS377	
	Signetics	74LS377	
	TI	SN74LS377	
SN74LS378	National	74LS378	
	SGS-Thomson		
		T74LS378	
		74LS378	
	Signetics	74LS378	
	TI	SN74LS378	
SN74LS379	National	74LS379	
	SGS-Thomson		
		T74LS379	
		74LS379	
	TI	SN74LS379	
SN74LS38	Hitachi	HD74LS38	
	National	DM74LS38	
		74LS38	
	Rochester	74LS38	
	SGS-Thomson		
		T74LS38	
		74LS38	
	Signetics	74LS38	
	TI	SN74LS38	
SN74LS386	Hitachi	HD74LS386	
	National	74LS386	
	Rochester	74LS386	
SN74LS390	Hitachi	HD74LS390	
	National	DM74LS390	
	SGS-Thomson		
		T74LS390	
		74LS390	
	Signetics	74LS390	
	TI	SN74LS390	
SN74LS393	GoldStar	GD74LS393	
	Hitachi	HD74LS393	
	National	DM74LS393	
		74LS393	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS393			(Cont'd)
	SGS-Thomson		
		T74LS393	
		74LS393	
	Signetics	74LS393	
	TI	SN74LS393	
SN74LS399	SGS-Thomson		
		T74LS399	
		74LS399	
	TI	SN74LS399	
SN74LS40	Hitachi	HD74LS40	
	National	74LS40	
	SGS-Thomson		
		T74LS40	
		74LS40	
	TI	SN74LS40	
SN74LS42	Hitachi	HD74LS42	
	National	DM74LS42	
		74LS42	
	Rochester	74LS42	
	SGS-Thomson		
		T74LS42	
		74LS42	
	Signetics	74LS42	
	TI	SN74LS42	
SN74LS47	Hitachi	HD74LS47	
	National	74LS47	
	TI	SN74LS47	
SN74LS48	Hitachi	HD74LS48	
	National	74LS48	
SN74LS490	Hitachi	HD74LS490	
	National	74LS490	
	SGS-Thomson		
		T74LS490	
		74LS490	
	Signetics	74LS490	
SN74LS51	Hitachi	HD74LS51	
	National	DM74LS51	
		74LS51	
	Rochester	74LS51	
	SGS-Thomson		
		T74LS51	
		74LS51	
	Signetics	74LS51	
	TI	SN74LS51	
SN74LS54	Hitachi	HD74LS54	
	National	74LS54	
	SGS-Thomson		
		T74LS54	
		74LS54	
	Signetics	74LS54	
	TI	SN74LS54	
SN74LS540	National	74LS540	
	SGS-Thomson		
		T74LS540	
	Signetics	74LS540	
	TI	SN74LS540	
SN74LS541	Signetics	74LS541	
	TI	SN74LS541	
SN74LS55	Hitachi	HD74LS55	
	National	74LS55	
	Rochester	74LS55	
	SGS-Thomson		
		T74LS55	
		74LS55	
	TI	SN74LS55	
SN74LS569	Signetics	74LS569A	
SN74LS623	Rochester	74LS623	
	Signetics	74LS623	
	TI	SN74LS623	
SN74LS640	Signetics	74LS640	
		74LS640-1	
	TI	SN74LS640	
		SN74LS640-1	
SN74LS641	Hitachi	HD74LS641	
	Signetics	74LS641	
		74LS641-1	
	TI	SN74LS641	
		SN74LS641-1	
SN74LS642	Hitachi	HD74LS642	
	Signetics	74LS642	
		74LS642-1	
	TI	SN74LS642	
		SN74LS642-1	
SN74LS645	Hitachi	HD74LS645	
	Signetics	74LS645	
		74LS645-1	
	TI	SN74LS645	
		SN74LS645-1	
SN74LS669	Hitachi	HD74LS669	
	TI	SN74LS669	
SN74LS670	GoldStar	GD74LS670	
	National	DM74LS670	
		74LS670	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS670			(Cont'd)
	Rochester	74LS670	
	SGS-Thomson		
		T74LS670	
		74LS670	
	Signetics	74LS670	
	TI	SN74LS670	
SN74LS682	TI	SN74LS682	
SN74LS684	TI	SN74LS684	
SN74LS688	TI	SN74LS688	
SN74LS73A	Hitachi	HD74LS73A	
	National	DM74LS73A	
	Signetics	74LS73	
	TI	SN74LS73A	
SN74LS74A	GoldStar	GD74LS74A	
	Hitachi	HD74LS74A	
	National	DM74LS74	
		74LS74	
	Rochester	74LS74	
	SGS-Thomson		
		T74LS74A	
		74LS74	
	Signetics	74LS74A	
	TI	SN74LS74A	
SN74LS75	GoldStar	GD74LS75	
	Hitachi	HD74LS75	
	National	DM74LS75	
	Rochester	74LS75	
	Signetics	74LS75	
	TI	SN74LS75	
SN74LS76A	Hitachi	HD74LS76A	
	Signetics	74LS76	
	TI	SN74LS76A	
SN74LS77	Hitachi	HD74LS77	
SN74LS83A	Hitachi	HD74LS83A	
	National	DM74LS83A	
		74LS83	
	Rochester	74LS83	
	SGS-Thomson		
		T74LS83A	
		74LS83A	
	Signetics	74LS83A	
	TI	SN74LS83A	
SN74LS85	Hitachi	HD74LS85	
	National	DM74LS85	
		74LS85	
	Rochester	74LS85	
	Signetics	74LS85	
	TI	SN74LS85	
SN74LS86	GoldStar	GD74LS86	
	Hitachi	HD74LS86	
	National	DM74LS86	
		74LS86	
	Rochester	74LS86	
	SGS-Thomson		
		T74LS86	
		74LS86	
	Signetics	74LS86	
	TI	SN74LS86A	
SN74LS90	Hitachi	HD74LS90	
	National	DM74LS90	
	Rochester	74LS90	
	SGS-Thomson		
		74LS90	
	Signetics	74LS90	
	TI	SN74LS90	
SN74LS92	Hitachi	HD74LS92	
	Signetics	74LS92	
	TI	SN74LS92	
SN74LS93	GoldStar	GD74LS93	
	Hitachi	HD74LS93	
	National	DM74LS93	
	Rochester	74LS93	
	SGS-Thomson		
		74LS93	
	Signetics	74LS93	
	TI	SN74LS93	
SN74LS95B	Hitachi	HD74LS95B	
	National	74LS95B	
	SGS-Thomson		
		T74LS95B	
		74LS95B	
	Signetics	74LS95B	
	TI	SN74LS95B	
S38JC014	Micro-C	38JC014	
TA78008	Motorola	MC7808	
TA79L024	Motorola	MC79L24	
TDA1085	GEC Plessey	TDA1085	
TL070	SGS-Thomson		
		TL072	
TL071	AD	OP15	
	AnalogSys	MA332	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
TL071	AnalogSys		(Cont'd)
		MA333	
		MA362	
	SGS-Thomson		
		TL071	
TL071MJG	TI	TL071MJG	
TL072	AnalogSys	MA336	
		MA372	
	SGS-Thomson		
		TL072	
TL072MJG	TI	TL072MJG	
TL074	AnalogSys	MA374	
	SGS-Thomson		
		TL074	
TL081	AD	OP15	
	AnalogSys	MA332	
		MA333	
		MA362	
	SGS-Thomson		
		TL081	
TL081MJG	TI	TL081MJG	
TL082	AnalogSys	MA336	
	SGS-Thomson		
		TL082	
TL082MJG	TI	TL082MJG	
TL084	AnalogSys	MA374	
	SGS-Thomson		
		TL084	
TL431	Astec Semi	AS431	
	GEC Plessey	REF25	
		ZNREF025	
		ZN404	
	LinearTech	LT1431	
	Samsung	KA431	
	TI	TL431	
TL431MJG	TI	TL431MJG	
TL493	SiliconG	UC493	
TL494	Samsung	KA7500	
	TI	TL494	
TL494MJ	TI	TL494MJ	
TL495	TI	TL495	
TL780	TI	TL780	
TMS27A16	Micro-C	27A16	
UC1842	Unitrode	UC1842	
UC1843	Unitrode	UC1843	
UC1844	Unitrode	UC1844	
UC1845	Unitrode	UC1845	
UC2842	Unitrode	UC2842	
UC2842AN6	Cherry Semi	CS2842AN	
UC2843AN6	Cherry Semi	CS2843AN	
UC2844	Unitrode	UC2844	
UC2844N	Cherry Semi	CS2844N	
UC2845N	Cherry Semi	CS2845N	
UC3842	Astec Semi	AS3842	
	Samsung	KA3842	
	Unitrode	UC3842	
UC3842AN	Cherry Semi	CS3842AN	
	Signetics	UC3842	
UC3843	Astec Semi	AS3843	
	Unitrode	UC3843	
UC3843AN	Cherry Semi	CS3843AN	
UC3844	Astec Semi	AS3844	
	Unitrode	UC3844	
UC3844N	Cherry Semi	CS3844N	
UC3845	Astec Semi	AS3845	
	Unitrode	UC3845	
UC3845N	Cherry Semi	CS3845N	
UDN2841	Allegro		
	Micro	UDN2841	
UDN2845	Allegro		
	Micro	UDN2845	
ULN2001	Allegro		
	Micro	ULN2001	
ULN2002	Allegro		
	Micro	ULN2002	
ULN2003	Allegro		
	Micro	ULN2003	
	SiliconG	SG2003	
ULN2004	Allegro		
	Micro	ULN2004	
	SiliconG	SG2004	
ULN2064	Allegro		
	Micro	ULN2064	
	SiliconG	SG2064	
ULN2065	Allegro		
	Micro	ULN2065	
	SiliconG	SG2065	
ULN2066	Allegro		
	Micro	ULN2066	
	SiliconG	SG2066	
ULN2067	Allegro		
	Micro	ULN2067	
	SiliconG	SG2067	
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Motorola			**(Cont'd)**
ULN2068	Allegro		
	Micro	ULN2068	
	SiliconG	SG2068	
ULN2069	Allegro		
	Micro	ULN2069	
	SiliconG	SG2069	
ULN2074	Allegro		
	Micro	ULN2074	
	SiliconG	SG2074	
ULN2075	Allegro		
	Micro	ULN2075	
ULN2801	Allegro		
	Micro	ULN2801	
ULN2802	Allegro		
	Micro	ULN2802	
ULN2803	Allegro		
	Micro	ULN2803	
ULN2804	Allegro		
	Micro	ULN2804	
XCM6164	Micro-C	S8KX8	
XCM6264	Micro-C	S8KX8	
XCM6290	Micro-C	S16KX4PSC	
XC68000	Micro-C	68000	
XC68020	Micro-C	68020	
XC68030	Micro-C	68030	
XC68302	Micro-C	68302	
XC68704	Micro-C	68704	
XC68881	Micro-C	68881	
XC88100	Micro-C	88100	
XC88200	Micro-C	88200	
100422	Krueger	100422	
100474	Krueger	100474	
10415	Krueger	10415	
10422	Krueger	10422	
10474	Krueger	10474	
108/BGAJC	TI	LM108LB	
108/BPAJC	TI	LM108JGB	
108A/BGAJC	TI	LM108ALB	
108A/BJAJC	TI	LM108AJGB	
124/BCAJC	TI	LM124FKB	
		LM124JB	
139/BCAJC	TI	LM139JB	
139A/BCAJC	TI	LM139AJB	
146818	**Krueger**	**146818**	**(3548)**
14689	Micro-C	14689	
1555/BGAJC	TI	SE555LB	
1555/BPAJC	TI	SE555JGB	
1558/BGAJC	TI	MC1558LB	
1558/BPAJC	TI	MC1558JGB	
158/BPAJC	TI	LM158JGB	
2652	SMC	COM5025	
♦ 4010	Lansdale	ML4010	
431/BPAJC	TI	TL431MJGB	
50021	Micro-C	50021	
♦ 54H00	Rochester	RC3100	
♦ 54181	Rochester	7181	
♦ 74181	Rochester	8181	
MX-COM, Inc.			
MX16C450	Micro-C	16C450	
MX16C451	Micro-C	16C451	
MX16C452	Micro-C	16C452	
National Semiconductor			
μA080	Signetics	DAC08	
μA0801	Signetics	DAC08	
		MC1408	
μA0802	Motorola	MC1408	
		MC1508	
μA101	AD	OP77	
	LinearTech	LM101	
	Motorola	LM101	
	SiliconG	SG101	
μA101A	Raytheon	LM101A	
μA107	LinearTech	LM107	
	Motorola	MC1741	
μA108	LinearTech	LM108	
		LT1008	
μA108AHMQB			
	TI	LM108ALB	
μA108HMQB	TI	LM108LB	
μA109	Motorola	LM109	
	SiliconG	SG109	
μA111	LinearTech	LM111	
		LT1011	
		LT111	
	Raytheon	LM111	
	SiliconG	SG111	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
μA117	LinearTech	LM117	
		LT117	
	SGS-Thomson		
		LM117	
	SiliconG	SG117	
	Unitrode	UC117	
μA124	LinearTech	LT1014	
	Raytheon	LM124	
	SGS-Thomson		
		LM124	
	Signetics	LM124	
	SiliconG	SG124	
μA124DM	TI	LM124J	
μA124DMQB	TI	LM124JB	
μA124FMQB	TI	LM124WB	
μA124LMQB	TI	LM124FKB	
μA139	Raytheon	LM139	
	SGS-Thomson		
		LM139	
μA139DM	TI	LM139J	
μA139DMQB	TI	LM139JB	
μA139FMQB	TI	LM139WB	
μA139LMQB	TI	LM139FKB	
μA1391	Motorola	MC1391	
μA1458	AnalogSys	MA336	
		MA372	
	Fujitsu	MB3607	
	Motorola	MC1458	
		MC1558	
	Panasonic	AN1458	
		AN6572	
	Samsung	MC1458	
	SGS-Thomson		
		MC1458	
	Signetics	MC1458	
μA1458HC	Fujitsu	MB3607P	
		MB3607PF	
μA148	LinearTech	LT1014	
	Raytheon	LM148	
		RC4156	
		RC4157	
	SGS-Thomson		
		LM148	
μA148DM	TI	LM148J	
μA148DMQB	TI	LM148JB	
μA1488	Samsung	MC1488	
	SGS-Thomson		
		MC1488	
	Signetics	MC1488	
μA1489	Samsung	MC1489	
	SGS-Thomson		
		MC1489	
	Signetics	MC1489	
	SiliconG	SG1468	
μA1524	SiliconG	SG1524	
	Unitrode	UC1524	
μA1558	LinearTech	LT1013	
	Motorola	MC1558	
	SGS-Thomson		
		MC1558	
μA1558HMQB			
	TI	MC1558LB	
μA1558RM	TI	MC1558JG	
μA1558RMQB	TI	MC1558JGB	
μA198	Signetics	NE5537	
μA201	AD	OP77	
	Motorola	LM201	
	SGS-Thomson		
		LM201	
	SiliconG	SG201	
μA207	AD	OP77	
	Motorola	MC1741	
μA208	AD	PM1008	
μA209	Motorola	LM209	
	SiliconG	SG209	
μA224	AD	OP421	
	Samsung	LM224	
	SGS-Thomson		
		LM224	
	SiliconG	SG224	
μA2240	Exar	XR2240	
μA238	SiliconG	SG238	
μA239	SGS-Thomson		
		LM239	
μA248	**AD**	**PM248**	**(3342)**
	Samsung	LM248	
μA2524	SiliconG	SG2524	
	Unitrode	UC2524	
μA26LS31	AMD	AM26LS31	
μA26LS32	AMD	AM26LS32	
μA2900	Raytheon	LM2900	

Manufacturer Device	Replacement Source	Device	IC Master Page
μA2901	Samsung	LM2901	
	SGS-Thomson		
		LM2901	
	Signetics	LM2901	
μA2902	AnalogSys	MA374	
	Samsung	LM2902	
	SGS-Thomson		
		LM2902	
μA301	AD	OP77	
	AnalogSys	MA332	
		MA333	
		MA362	
	Motorola	LM301	
	Samsung	KA301	
	SGS-Thomson		
		LM301	
	SiliconG	SG301	
μA301A	Raytheon	LM301A	
μA3026	Motorola	CA3054	
μA303	Fujitsu	MB3615	
μA3045	Allegro		
	Micro	ULS2045	
	Motorola	MC3346	
μA3046	Allegro		
	Micro	ULN2046	
	Motorola	MC3346	
μA305	SiliconG	SG305	
μA3054	Allegro		
	Micro	ULN2054	
	Motorola	CA3054	
	Samsung	KT8554	
μA3057	Samsung	KT8557	
μA3064	Motorola	MC13010	
μA307	AD	OP77	
	AnalogSys	MA332	
		MA333	
		MA362	
	Motorola	LM307	
μA308	AD	PM1008	
	LinearTech	LM308	
		LT1008	
	SGS-Thomson		
		LM308	
μA3086	Allegro		
	Micro	ULN2086	
	SiliconG	SG3821	
μA309	Motorola	LM309	
	SemTech	LAS1505	
	SiliconG	SG309	
μA311	LinearTech	LM311	
		LT1011	
		LT311	
	Motorola	LM311	
	Panasonic	AN1311	
	SGS-Thomson		
		LM311	
		LM331	
	Signetics	LM311	
	SiliconG	SG311	
μA317	LinearTech	LM317	
		LT317	
	Motorola	LM317	
	Samsung	LM317	
	SiliconG	SG317	
	Unitrode	UC317	
μA318	LinearTech	LM318	
		LT318	
μA324	AD	OP421	
	National	SG324	
	Panasonic	AN1324	
		AN6564	
	Raytheon	LM324	
	Samsung	LM324	
	SGS-Thomson		
		LM324	
	Signetics	LM324	
μA3301	Motorola	MC3301	
μA3302	Motorola	MC3302	
	Panasonic	AN6912	
	Samsung	LM3302	
	SGS-Thomson		
		MC3302	
	Signetics	MC3302	
μA3303	AD	OP421	
	AnalogSys	MA374	
	Fujitsu	MB3615M	
		MB3615PF	
	Motorola	MC3303	
	Samsung	MC3303	
	SGS-Thomson		
		MC3303	
μA338	SiliconG	SG338	
μA339	Raytheon	LM339	
	Samsung	LM339	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
μA339			(Cont'd)
	SGS-Thomson		
		LM339	
	Signetics	LM339	
μA3401	Motorola	MC3401	
μA3403	AD	OP421	
	AnalogSys	MA374	
	Motorola	MC3403	
	Raytheon	RC3403A	
	Samsung	MC3403	
	SGS-Thomson		
		MC3403	
	Signetics	MC3403	
μA348	AD	OP11	
	AnalogSys	MA374	
	Raytheon	LM348	
		RC4157	
	Samsung	LM348	
	SGS-Thomson		
		LM348	
μA350	Samsung	KA350	
	SiliconG	SG350	
	Unitrode	UC350	
μA3503	SGS-Thomson		
		MC3503	
μA3524	SiliconG	SG3524	
μA3900	Raytheon	LM3900	
μA393	Samsung	LM393	
μA398	Signetics	SE5537	
μA4136	AD	OP09	
	Motorola	MC4741	
	Panasonic	AN6554	
	Raytheon	RC4136	
μA4136DM	TI	RM4136J	
μA4136DMQB	TI	RM4136JB	
μA431	Astec Semi	AS431	
	GEC Plessey	REF25	
		ZNREF025	
	Motorola	TL431	
	Samsung	KA431	
μA4558	Panasonic	AN4558	
		AN6552	
	Raytheon	RC4558	
		RC4559	
	Samsung	MC4558	
μA494	Motorola	TL494	
	Samsung	KA7500	
	Unitrode	UC494	
μA5116	Samsung	KT5116	
μA5151	Samsung	KT8520	
μA55110	Motorola	MC75S110	
μA55450	SiliconG	SG55450	
μA55452	SiliconG	SG55452	
μA55462	SiliconG	SG55462	
μA555	Motorola	MC1455	
	SGS-Thomson		
		NE555	
	Signetics	NE555	
μA555HMQB	TI	SE555LB	
μA555RM	TI	SE555JG	
μA555RMQB	TI	SE555JGB	
μA556	Motorola	MC3456	
	SGS-Thomson		
		NE556	
	Signetics	NE556	
μA5912	Samsung	KT3040	
μA6685	AMD	AM6688	
μA6687	AMD	AM6687	
μA685	AMD	AM685	
μA687	AMD	AM687	
μA709	Motorola	MC1709	
♦ μA710	Lansdale	ML1710	
	Fujitsu	MB4001	
		MB4002	
♦ μA710	Samsung	KA710	
μA711	Samsung	KA711	
μA714	AD	OP77	
	LinearTech	LT1001	
		OP07	
	TI	OP07	
μA715	Motorola	MC1741	
μA723	Fujitsu	MB3752	
	Harris	CA0723	
	Motorola	MC1723	
	Samsung	LM723	
	Signetics	μA723	
	TI	μA723	
μA723DM	TI	UA723MJ	
μA723DMQB	TI	UA723MJB	
μA723LMQB	TI	UA723MFKB	
μA725	AD	OP06	
μA733	Signetics	μA733	
μA733DM	TI	UA733MJ	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
μA733DMQB	TI	UA733MJB	
μA733FMQB	TI	UA733MUB	
μA740	Motorola	LF355	
μA741	AD	OP02	
		OP07	
		OP77	
	AnalogSys	MA332	
		MA333	
		MA362	
	Fujitsu	MB3603	
	Motorola	MC1741	
	Panasonic	AN1741	
		AN6570	
	Samsung	LM741	
	SGS-Thomson		
		μA741	
	Signetics	μA741	
	TI	μA741	
μA741DM	TI	UA741MJ	
μA741DMQB	TI	UA741MJB	
μA741HMQB	TI	UA741MLB	
μA741RM	TI	UA741MJG	
μA741RMQB	TI	UA741MJGB	
μA742	Motorola	CA3059	
μA747	AD	OP04	
	Motorola	MC1747	
	Signetics	μA747	
	TI	μA747	
μA747DM	TI	UA747MJ	
μA747DMQB	TI	UA747MJB	
μA747FMQB	TI	UA747MWB	
μA748	AnalogSys	MA332	
		MA333	
		MA362	
	Motorola	MC1748	
	SGS-Thomson		
		μA748	
	TI	μA748	
μA75110	Motorola	MC75S110	
μA75450	SiliconG	SG75450	
μA75451	SiliconG	SG75451	
μA75452	SiliconG	SG75452	
μA75453	SiliconG	SG75453	
μA75461	SiliconG	SG75461	
μA75462	SiliconG	SG75462	
μA757	Motorola	MC1350	
μA771	AnalogSys	MA332	
		MA333	
		MA362	
	SGS-Thomson		
		TL071	
	TI	TL071	
		TL081	
μA771BHMQB			
	TI	TL071MLB	
μA771BRM	TI	TL071MJG	
μA771BRMQB			
	TI	TL071MJGB	
μA772	AnalogSys	MA333	
		MA336	
		MA372	
	Motorola	MC1741	
	SGS-Thomson		
		TL072	
	TI	TL072	
		TL082	
μA772BHMQB			
	TI	TL072MLB	
μA772BRM	TI	TL072MJG	
μA772BRMQB			
	TI	TL072MJGB	
μA774	AnalogSys	MA374	
	SGS-Thomson		
		TL072	
		TL074	
	TI	TL074	
		TL084	
μA774BDMQB			
	TI	TL074MJB	
μA775	Motorola	LM339	
μA776	AD	OP22	
	Motorola	MC1776	
	SGS-Thomson		
		μA776	
μA78	Motorola	LM317	
μA78H05	LinearTech	LT1003	
	SemTech	LAS1905	
μA78H12	SemTech	LAS1912	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
μA78L05	Motorola	MC78L05	
	Panasonic	AN78L05	
		MC78L05	
	TI	μA78L05	
μA78L06	Panasonic	AN78L06	
μA78L08	Motorola	MC78L08	
		MC78L09	
	Panasonic	AN78L08	
μA78L09	Panasonic	AN78L09	
	Samsung	MC78L09	
	TI	μA78L09	
μA78L10	Panasonic	AN78L10	
μA78L12	Motorola	MC78L12	
	Panasonic	AN78L12	
	Samsung	MC78L12	
	TI	μA78L12	
μA78L15	Motorola	MC78L15	
	Panasonic	AN78L15	
	Samsung	MC78L15	
	TI	μA78L15	
μA78L18	Motorola	MC78L18	
	Panasonic	AN78L18	
μA78L24	Motorola	MC78L24	
	Panasonic	AN78L24	
μA78L62	Samsung	MC78L62	
μA78L82	Samsung	MC78L82	
μA78M05	Motorola	MC78M05	
	Samsung	MC78M05	
	SGS-Thomson		
		L78M05	
	TI	μA78M05	
μA78M06	Motorola	MC78M06	
	Samsung	MC78M06	
	SGS-Thomson		
		L78M06	
	TI	μA78M06	
μA78M08	Motorola	MC78M08	
	Samsung	MC78M08	
	SGS-Thomson		
		L78M08	
	TI	μA78M08	
μA78M12	Motorola	MC78M12	
	Samsung	MC78M12	
	SGS-Thomson		
		L78M12	
	TI	μA78M12	
μA78M15	Motorola	MC78M15	
	Samsung	MC78M15	
	SGS-Thomson		
		L78M15	
	TI	μA78M15	
μA78M18	Motorola	MC78M18	
μA78M20	Samsung	MC78M20	
μA78M24	Motorola	MC78M24	
	Samsung	MC78M24	
	SGS-Thomson		
		L78M24	
	TI	μA78M24	
μA78P05	SemTech	LAS3905	
μA78S40	Samsung	KA78S40	
μA7805	Samsung	MC7805	
	SemTech	LAS1505	
	SGS-Thomson		
		L7805	
	SiliconG	SG7805	
	TI	μA7805	
	Unitrode	UC7805	
μA7806	Motorola	MC7808	
	Samsung	MC7806	
	SemTech	LAS1506	
	SGS-Thomson		
		L7806	
	SiliconG	SG7806	
	TI	μA7806	
μA7808	Motorola	MC7808	
	Samsung	MC7808	
	SemTech	LAS1508	
	SGS-Thomson		
		L7808	
	SiliconG	SG7808	
		SG7908	
	TI	μA7808	
μA7812	Motorola	MC7812	
	Samsung	MC7812	
	SemTech	LAS1512	
	SGS-Thomson		
		L7812	
	SiliconG	SG7812	
	TI	μA7812	
μA7815	Samsung	MC7815	
	SemTech	LAS1515	
	SGS-Thomson		
		L7815	
	SiliconG	SG7815	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
μA7815			(Cont'd)
	TI	μA7815	
	Unitrode	UC7815	
μA7818	Motorola	MC7818	
	Samsung	MC7818	
	SemTech	LAS1518	
	SGS-Thomson		
		L7818	
	TI	μA7818	
μA7820	SiliconG	SG7820	
μA7824	Samsung	MC7824	
	SemTech	LAS1524	
	SGS-Thomson		
		L7824	
	SiliconG	SG7824	
	TI	μA7824	
μA7885	Samsung	MC7885	
μA79L05	Motorola	MC79L05	
μA79L12	Motorola	MC79L12	
μA79L15	Motorola	MC79L15	
μA79M05	Motorola	MC79M05	
	TI	μA79M05	
μA79M06	Motorola	MC7906	
μA79M08	Motorola	MC79M08	
	Samsung	MC79M08	
	TI	μA79M08	
μA79M12	Motorola	MC79M12	
	Samsung	MC79M12	
	TI	μA79M12	
μA79M15	Samsung	MC79M15	
	TI	μA79M15	
μA79M18	Motorola	MC7918	
μA79M24	Motorola	MC7924	
μA7902	SemTech	LAS1802	
μA7905	Motorola	MC7905	
	Samsung	MC79M05	
		MC7905	
	SemTech	LAS1805	
	SGS-Thomson		
		L7905	
	SiliconG	SG7905	
	TI	μA7905	
	Unitrode	UC7905	
μA7905.2KC	SemTech	LAS1805.2	
μA7906	Motorola	MC7906	
	SemTech	LAS1806	
μA7908	Motorola	MC7908	
	Samsung	MC7908	
	SemTech	LAS1808	
	SGS-Thomson		
		L7908	
	TI	μA7908	
μA7912	Motorola	MC7912	
	Samsung	MC7912	
	SemTech	LAS1812	
	SGS-Thomson		
		L7912	
	SiliconG	SG7912	
	TI	μA7912	
μA7915	Motorola	MC7915	
	Samsung	MC7915	
	SemTech	LAS1815	
	SGS-Thomson		
		L7915	
	SiliconG	SG7915	
	TI	μA7915	
	Unitrode	UC7915	
μA7918	Motorola	MC7918	
	SemTech	LAS1818	
μA7924	SemTech	LAS1824	
μA796	Motorola	MC1496	
		MC1596	
	SiliconG	SG1596	
μA798	AnalogSys	MA336	
		MA372	
	Motorola	MC3458	
		MC3558	
μA799	Motorola	MC1741	
μA9614	Motorola	MC75S110	
μA9615	Motorola	MC75108	
μA9616	Motorola	MC1488	
μA96172	LinearTech	LTC486	
μA96174	LinearTech	LTC487	
μA96176	LinearTech	LTC485	
μA9627	Motorola	MC1489	
μA9636	Motorola	MC3488	
♦ μA9637	Rochester	μA9637	
	Motorola	MC3486	
♦ μA9638	Rochester	μA9638	
	Motorola	MC3487	
μA9640	Motorola	MC26S10	
		MC3440	

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Manufacturer Device	Replacement Source	Device	IC Master Page
μA9665	Motorola	MC1411	
	SGS-Thomson		
		ULN2001	
		ULQ2001	
	SiliconG	SG2001	
μA9666	Motorola	MC1412	
	SGS-Thomson		
		ULN2002	
		ULQ2002	
	SiliconG	SG2002	
μA9667	Allegro		
	Micro	ULS2003	
	Motorola	MC1413	
	National	ULQ2003	
	SGS-Thomson		
		ULN2003	
	SiliconG	SG2003	
μA9668	Motorola	MC1416	
	SGS-Thomson		
		ULN2004	
		ULQ2004	
μA9708	Fujitsu	MB4053	
		MB4063	
μPC4741	AD	OP22	
μPD100484	Cypress	CY100E484	
ADC032	LinearTech	LTC1091	
ADC0800	GEC Plessey	ZN449	
ADC0801	GEC Plessey	ZN447	
ADC0802	GEC Plessey	ZN448	
	Harris	ADC0802	
ADC0803	GEC Plessey	ZN448	
	Harris	ADC0803	
	Signetics	ADC0803	
ADC0804	GEC Plessey	ZN449	
	Harris	ADC0804	
	Samsung	KAD0804	
	Signetics	ADC0804	
	TI	ADC0804	
ADC0805	GEC Plessey	ZN449	
	Signetics	ADC0805	
ADC0808	GEC Plessey	ZN437	
	MicroLinear	ADC0808	
		ML2258	
	Samsung	KAD0808	
	TI	TL0808	
ADC0808CJ	TI	ADC0808MJ	
ADC0808CJ/883			
	TI	ADC0808MJB	
ADC0809	GEC Plessey	ZN437	
	MicroLinear	ADC0808	
		ADC0809	
		ML2258	
	Samsung	KAD0809	
	TI	TL0809	
ADC0811	GEC Plessey	ZN437	
	TI	TLC540	
		TLC541	
ADC0816	Samsung	KAD0816	
ADC0817	Samsung	KAD0817	
ADC0820	AD	PM0820	
	Crystal	CS7280	
	GEC Plessey	ZN439	
	LinearTech	LTC1099	
	MicroLinear	ML2261	
	MicroPwr	MP0820	
	Samsung	KAD0820	
	Signetics	ADC0820	
	TI	ADC0820	
		TLC0820	
ADC0829	TI	TLC533	
ADC0830	TI	TLC546	
ADC0831	GEC Plessey	ZN509	
	MicroLinear	ADC0831	
		ML2281	
	TI	ADC0831	
		TLC549	
ADC0832	MicroLinear	ADC0832	
		ML2282	
	TI	ADC0832	
ADC0833	MicroLinear	ADC0833	
		ML2283	
ADC0834	MicroLinear	ADC0834	
		ML2284	
	TI	ADC0834	
ADC0838	MicroLinear	ADC0838	
		ML2288	
ADC1001	GEC Plessey	ZN432	
		ZN501	
		ZN502	
	TI	TLC1541	
ADC1005	GEC Plessey	ZN504	
	TI	TLC1541	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
ADC1021	GEC Plessey	ZN432	
		ZN501	
		ZN502	
ADC1025	GEC Plessey	ZN504	
ADC1061	MicroLinear	ML2271	
ADC1080	Burr-Brown	ADC80	
	GEC Plessey	ZN432	
		ZN501	
ADC1210	Harris	HI574	
ADC1211	Harris	HI574	
ADC1225	TI	TLC1225	
ADC1280	Burr-Brown	ADC80	
ADC3501	GEC Plessey	ZNA116	
ADC3511	GEC Plessey	ZN451	
	TI	ICL7135	
		TLC7135	
		TL500	
		TL501	
		TL503	
ADC3701	National	ZNA216	
ADC3711	GEC Plessey	ZN451	
	TI	ICL7135	
		TLC7135	
		TL500	
		TL501	
		TL503	
ADC574	MicroPwr	MP574	
ADD3501	TI	TL500	
		TL501	
		TL502	
ADD3701	TI	TL500	
		TL501	
		TL502	
AD7520	AD	PM7533	
	Unitrode	PIC7520	
AD7521	AD	PM7541	
	Burr-Brown	DAC7541	
AD7530	AD	PM7533	
	Unitrode	PIC7530	
AD7531	AD	PM7541	
	Burr-Brown	DAC7541	
	Unitrode	PIC7531	
AD7533	Unitrode	PIC7533	
♦ AM2905	Lansdale	AL2905	
♦ AM2906	Lansdale	AL2906	
♦ AM2915	Lansdale	AL2915	
B8504	Micro-C	8504	
CD4001	Fujitsu	MB4001P	
		MB4001PF	
	GoldStar	GD4001	
CD4002	Fujitsu	MB4002P	
		MB4002PF	
	GoldStar	GD4002	
CD4006	GoldStar	GD4006	
CD4007	GoldStar	GD4007	
CD4008	GoldStar	GD4008	
CD4011	GoldStar	GD4011	
CD4012	GoldStar	GD4012	
CD4013	GoldStar	GD4013	
CD4014	GoldStar	GD4014	
CD4015	GoldStar	GD4015	
CD4016	GoldStar	GD4016	
	Unitrode	PIC7516	
CD4017	GoldStar	GD4017	
CD4018	GoldStar	GD4018	
CD4019	GoldStar	GD4019	
CD4020	GoldStar	GD4020	
CD4021	GoldStar	GD4021	
CD4023	GoldStar	GD4023	
CD40232	GoldStar	GD4022	
CD4024	GoldStar	GD4024	
CD4025	GoldStar	GD4025	
CD4027	GoldStar	GD4027	
CD4028	GoldStar	GD4028	
CD4029	GoldStar	GD4029	
CD4030	GoldStar	GD4030	
CD4034	GoldStar	GD4034	
CD4035	GoldStar	GD4035	
CD4040	GoldStar	GD4040	
CD4041	GoldStar	GD4041	
CD4042	GoldStar	GD4042	
CD4043	GoldStar	GD4043	
CD4044	GoldStar	GD4044	
CD4046	GoldStar	GD4046	
CD4047	GoldStar	GD4047	
CD4049	GoldStar	GD4049	
CD4050	GoldStar	GD4050	
CD4051	GoldStar	GD4051	
CD4052	GoldStar	GD4052	
CD4053	GoldStar	GD4053	
CD4066	GoldStar	GD4066	
	TLSI	TL4066	
	Unitrode	PIC7516	
CD4069	GoldStar	GD4069	
CD4070	GoldStar	GD4070	
CD4071	GoldStar	GD4071	
CD4075	GoldStar	GD4075	
CD4076	GoldStar	GD4076	
CD4081	GoldStar	GD4081	
CD4093	GoldStar	GD4093	
CD4510	GoldStar	GD4510	
CD4511	GoldStar	GD4511	
CD4516	GoldStar	GD4516	
CD4518	GoldStar	GD4518	
CD4520	GoldStar	GD4520	
CD4723	GoldStar	GD4723	
CD4724	GoldStar	GD4724	
COP310	SGS-Thomson		
		ETC9310	
		ETL9310	
COP311	SGS-Thomson		
		ETC9311	
		ETL9311	
COP313	SGS-Thomson		
		ETL9313	
COP320	SGS-Thomson		
		ETL9320	
		ET9320	
COP321	SGS-Thomson		
		ETL9321	
		ET9321	
COP322	SGS-Thomson		
		ETL9322	
		ET9322	
COP324	SGS-Thomson		
		ETC9320	
COP325	SGS-Thomson		
		ETC9321	
COP344	SGS-Thomson		
		ETC9344	
		ETL9344	
COP345	SGS-Thomson		
		ETC9345	
		ETL9345	
COP410	SGS-Thomson		
		ETC9410	
		ETL9410	
COP411	SGS-Thomson		
		ETC9411	
		ETL9411	
COP413	SGS-Thomson		
		ETL9413	
COP420	SGS-Thomson		
		ETL9420	
		ET9420	
COP421	SGS-Thomson		
		ETL9421	
		ET9421	
COP422	SGS-Thomson		
		ETL9422	
		ET9422	
COP424	SGS-Thomson		
		ETC9420	
COP425	SGS-Thomson		
		ETC9421	
COP444	SGS-Thomson		
		ETC9444	
		ETL9444	
COP445	SGS-Thomson		
		ETC9445	
		ETL9445	
COP495	**Catalyst Semi**	**CAT93C46**	**(3424)**
COP800	Hitachi	HD6305	
DAC08	Motorola	DAC08	
	Raytheon	DAC08	
DAC0800	GEC Plessey	ZN429	
	Motorola	DAC08	
	Samsung	KDA0800	
	Signetics	DAC08	
DAC0801	Motorola	DAC08	
	Signetics	DAC08	
		NE5009	
DAC0802	AD	DAC08	
	GEC Plessey	ZN426	
	Motorola	DAC08	
	Signetics	DAC08	
		NE5007	
DAC0806	AD	DAC1408	
	GEC Plessey	ZN436	
	Motorola	MC1408	
	SGS-Thomson		
		DAC0806	
DAC0806			(Cont'd)
	Signetics	MC1408	
		MC1408-6	
DAC0807	AD	DAC1408	
	GEC Plessey	ZN429	
	Motorola	MC1408	
	SGS-Thomson		
		DAC0807	
	Signetics	MC1408	
		MC1408-9	
DAC0808	AD	DAC1408	
	GEC Plessey	ZN429	
	Motorola	MC1408	
		MC1508	
	SGS-Thomson		
		DAC0808	
	Signetics	MC1408	
		MC1508-8	
DAC0830	GEC Plessey	ZN428	
		ZN558	
DAC0831	GEC Plessey	ZN428	
		ZN558	
DAC0832	GEC Plessey	ZN428	
		ZN558	
DAC1002	GEC Plessey	ZN428	
		ZN558	
DAC1008	GEC Plessey	ZN428	
		ZN558	
DAC1020	AD	PM7533	
	Harris	AD7520	
	MicroPwr	MP7633	
	Raytheon	DAC10	
	Unitrode	PIC7520	
DAC1021	AD	PM7533	
	Harris	AD7520	
	MicroPwr	MP7633	
	Raytheon	DAC10	
	Unitrode	PIC7520	
DAC1022	AD	PM7533	
	GEC Plessey	ZN429	
	Harris	AD7520	
	MicroPwr	MP7633	
	Unitrode	PIC7520	
DAC1208	Burr-Brown	DAC811	
	MicroPwr	MP1208	
DAC1209	MicroPwr	MP1209	
DAC1210	MicroPwr	MP1210	
DAC1218	AD	PM7541	
	Burr-Brown	DAC7541	
DAC1219	AD	PM7541	
	Burr-Brown	DAC7541	
DAC1220	AD	PM7541	
	Harris	AD7521	
DAC1221	AD	PM7541	
	Harris	AD7521	
	MicroPwr	MP7623	
DAC1222	AD	PM7541	
	GEC Plessey	ZN429	
	Harris	AD7521	
	MicroPwr	MP7541	
DAC1230	Burr-Brown	DAC811	
	MicroPwr	MP1230	
DAC1231	MicroPwr	MP1231	
DAC1232	MicroPwr	MP1232	
DAC1280	Burr-Brown	DAC80	
	MicroNet	DAC80	
DAC1285	Burr-Brown	DAC85	
		DAC87	
	MicroNet	DAC85	
DAC1286	Burr-Brown	DAC80	
DAC1287	Burr-Brown	DAC85	
		DAC87	
DAC7545	MicroPwr	MP7545	
DAC801	GEC Plessey	ZN429	
DH3724	Allegro		
	Micro	TPQ3724	
DH3725	Allegro		
	Micro	TPQ3725	
DMPAL10H8	AMD	AMPAL18P8	
		PAL10H8	
DMPAL10L8	AMD	AMPAL18P8	
DMPAL12H6	AMD	AMPAL18P8	
DMPAL12L10	AMD	AMPAL22P10	
DMPAL12L6	AMD	AMPAL18P8	
		PAL12L6	
DMPAL14H4	AMD	AMPAL18P8	
DMPAL14L4	AMD	AMPAL18P8	
		PAL14L4	
DMPAL14L8	AMD	AMPAL22P10	
DMPAL16H2	AMD	AMPAL18P8	
DMPAL16L2	AMD	AMPAL18P8	
		PAL16L2	
DMPAL16L6	AMD	AMPAL22P10	
DMPAL16L8	AMD	AMPAL16L8	
		PAL16L8	
DMPAL16R4	AMD	AMPAL16R4	
		PAL16R4	
DMPAL16R6	AMD	AMPAL16R6	
		PAL16R6	
DMPAL16R8	AMD	AMPAL16R8	
		PAL16R8	
DMPAL18L4	AMD	AMPAL22P10	
DMPAL20L10	AMD	PAL20L10	
DMPAL20L2	AMD	AMPAL22P10	
DMPAL20L8	AMD	PAL20L8	
DMPAL20RP8	AMD	PAL22V10	
DMPAL20R4	AMD	PAL20R4	
DMPAL20R8	AMD	PAL20R8	
DMP20R6	AMD	PAL20R6	
DM100422	Cypress	*CY100E422*	
	NEC	*μPB100422*	
DM100470	NEC	*μPB100470*	
DM100474	Cypress	CY100E474	
	NEC	*μPB100474*	
DM100494	Cypress	CY100E494	
DM10422	Cypress	CY10E422	
	NEC	*μPB10422*	
DM10470	NEC	*μPB10470*	
DM10474	Cypress	CY10E474	
	NEC	*μPB10474*	
DM10494	Cypress	CY10E494	
♦ DM1800	Lansdale	ML1800	
		SL8415	
DM25C02	Samsung	KS25C02	
DM25C04	National	KS25C04	
♦ DM2502	Rochester	7605	
		8605	
♦ DM2503	Rochester	2502	
		2503	
		7603	
		8603	
♦ DM2504	Rochester	2504	
		7604	
		8604	
♦ DM29002	Rochester	9002	
DM3725	Allegro Micro	TPQ3725	
♦ DM52H20	Rochester	54H20	
DM54ALS11	TI	SN54ALS11A	
DM54ALS165	TI	SN54ALS165	
DM54ALS174	TI	SN54ALS174	
DM54AS240	TI	SN54AS240	
♦ DM54H00	Lansdale	ML54H00	
		SL54H00	
		SL8H80	
♦ DM54H00	Rochester	54H00	
♦ DM54H01	Lansdale	ML54H01	
		SL54H01	
♦ DM54H01	Rochester	54H01	
♦ DM54H04	Lansdale	ML54H04	
	Rochester	54H04	
♦ DM54H05	Lansdale	ML54H05	
	Rochester	54H05	
♦ DM54H08	Lansdale	ML54H08	
		SL54H08	
♦ DM54H08	Rochester	54H08	
♦ DM54H10	Lansdale	ML54H10	
		SL54H10	
		SL8H70	
♦ DM54H10	Rochester	54H10	
♦ DM54H103	Lansdale	ML54H103	
		SL54H103	
♦ DM54H103	Rochester	54H103	
♦ DM54H106	Lansdale	ML54H106	
	Rochester	54H106	
♦ DM54H108	Lansdale	ML54H108	
		SL54H108	
♦ DM54H108	Rochester	54H108	
♦ DM54H11	Lansdale	ML54H11	
		SL54H11	
♦ DM54H11	Rochester	54H11	
♦ DM54H20	Lansdale	ML54H20	
		SL54H20	
		SL8H16	
♦ DM54H21	Lansdale	ML54H21	
		SL54H21	
♦ DM54H21	Rochester	54H21	
♦ DM54H22	Lansdale	ML54H22	
		SL54H22	
♦ DM54H22	Rochester	54H22	
♦ DM54H30	Lansdale	ML54H30	
		SL54H30	
♦ DM54H30	Rochester	54H30	
♦ DM54H40	Lansdale	ML54H40	
		SL54H40	
♦ DM54H40	Rochester	54H40	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ DM54H50	Lansdale	ML54H50	
	Rochester	54H50	
♦ DM54H51	Lansdale	ML54H51	
	Rochester	54H51	
♦ DM54H52	Lansdale	ML54H52	
		SL54H52	
♦ DM54H52	Rochester	54H52	
♦ DM54H53	Lansdale	ML54H53	
		SL54H53	
♦ DM54H53	Rochester	54H53	
♦ DM54H54	Lansdale	ML54H54	
		SL54H54	
♦ DM54H54	Rochester	54H54	
♦ DM54H55	Lansdale	ML54H55	
		SL54H55	
♦ DM54H55	Rochester	54H55	
♦ DM54H60	Lansdale	ML54H60	
		ML54H61	
		SL54H60	
		SL54H61	
♦ DM54H60	Rochester	54H60	
♦ DM54H61	Rochester	54H61	
♦ DM54H62	Lansdale	ML54H62	
		SL54H62	
♦ DM54H62	Rochester	54H62	
♦ DM54H71	Lansdale	ML54H71	
		SL54H71	
♦ DM54H71	Rochester	54H71	
♦ DM54H72	Lansdale	ML54H72	
		SL54H72	
♦ DM54H72	Rochester	54H72	
♦ DM54H73	Lansdale	ML54H73	
		SL54H73	
♦ DM54H73	Rochester	54H73	
♦ DM54H74	Lansdale	ML54H74	
		SL54H74	
♦ DM54H74	Rochester	54H74	
♦ DM54H76	Lansdale	ML54H76	
	Rochester	54H76	
♦ DM54H78	Rochester	54H78	
DM54LS00	Motorola	SN54LS00	
	National	54LS00	
	SGS-Thomson		
		T54LS00	
		54LS00	
	Signetics	54LS00	
	TI	SN54LS00	
DM54LS02	Motorola	SN54LS02	
	National	54LS02	
	SGS-Thomson		
		T54LS02	
		54LS02	
	Signetics	54LS02	
	TI	SN54LS02	
DM54LS03	Motorola	SN54LS03	
	National	54LS03	
	SGS-Thomson		
		54LS03	
	Signetics	54LS03	
	TI	SN54LS03	
DM54LS04	Motorola	SN54LS04	
	National	54LS04	
	SGS-Thomson		
		T54LS04	
		54LS04	
	Signetics	54LS04	
	TI	SN54LS04	
DM54LS05	Motorola	SN54LS05	
	National	54LS05	
	SGS-Thomson		
		T54LS05A	
		54LS05	
	Signetics	54LS05	
	TI	SN54LS05	
DM54LS08	Motorola	SN54LS08	
	National	54LS08	
	Signetics	54LS08	
	TI	SN54LS08	
DM54LS09	Motorola	SN54LS09	
	National	54LS09	
	SGS-Thomson		
		T54LS09	
		54LS09	
	Signetics	54LS09	
	TI	SN54LS09	
DM54LS10	Motorola	SN54LS10	
	National	54LS10	
	SGS-Thomson		
		T54LS10	
		54LS10	

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Manufacturer Device	Replacement Source	Device	IC Master Page
DM54LS10			(Cont'd)
	Signetics	54LS10	
	TI	SN54LS10	
DM54LS107A	Motorola	SN54LS107A	
	Signetics	54LS107	
	TI	SN54LS107A	
DM54LS109	Motorola	SN54LS109A	
	National	54LS109	
	Signetics	54LS109	
	TI	SN54LS109A	
DM54LS11	Motorola	SN54LS11	
	National	54LS11	
	SGS-Thomson		
		T54LS11	
		54LS11	
	Signetics	54LS11	
	TI	SN54LS11	
DM54LS12	Motorola	SN54LS12	
	TI	SN54LS12	
DM54LS125A	Motorola	SN54LS125A	
	National	54LS125A	
	SGS-Thomson		
		54LS125A	
	Signetics	54LS125A	
	TI	SN54LS125A	
DM54LS132	Motorola	SN54LS132	
	SGS-Thomson		
		T54LS132	
		54LS132	
	Signetics	54LS132	
		54LS132A	
	TI	SN54LS132	
DM54LS136	Motorola	SN54LS136	
	National	54LS136	
	SGS-Thomson		
		T54LS136	
		54LS136	
	Signetics	54LS136	
	TI	SN54LS136	
DM54LS138	Motorola	SN54LS138	
	National	54LS138	
	SGS-Thomson		
		T54LS138	
		54LS138	
	Signetics	54LS138	
	TI	SN54LS138	
DM54LS139	Motorola	SN54LS139	
	National	54LS139	
	SGS-Thomson		
		T54LS139	
		54LS139	
	Signetics	54LS139	
	TI	SN54LS139A	
DM54LS151	Motorola	SN54LS151	
	National	54LS151	
	SGS-Thomson		
		T54LS151	
		54LS151	
	Signetics	54LS151	
	TI	SN54LS151	
DM54LS153	Motorola	SN54LS153	
	National	54LS153	
	Signetics	54LS153	
	TI	SN54LS153	
DM54LS154	Signetics	54LS154	
DM54LS155	Motorola	SN54LS155	
	National	54LS155	
	SGS-Thomson		
		T54LS155	
		54LS155	
	Signetics	54LS155	
	TI	SN54LS155A	
DM54LS156	Motorola	SN54LS156	
	National	54LS156	
	SGS-Thomson		
		T54LS156	
		54LS156	
	Signetics	54LS156	
	TI	SN54LS156	
DM54LS157	Motorola	SN54LS157	
	National	54LS157	
	SGS-Thomson		
		T54LS157	
		54LS157	
	Signetics	54LS157	
	TI	SN54LS157	
DM54LS158	Motorola	SN54LS158	
	National	54LS158	
	SGS-Thomson		
		T54LS158	
		54LS158	
	Signetics	54LS158	
	TI	SN54LS158	

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Manufacturer Device	Replacement Source	Device	IC Master Page
DM54LS161A	Motorola	SN54LS161A	
	National	54LS161	
	Signetics	54LS161A	
	TI	SN54LS161A	
♦ DM54LS162	Motorola	SN54LS162A	
	National	54LS162A	
	Signetics	54LS162A	
	TI	SN54LS162A	
DM54LS163A	Motorola	SN54LS163A	
	National	54LS163A	
	Signetics	54LS163A	
	TI	SN54LS163A	
DM54LS164	Motorola	SN54LS164	
	National	54LS164	
	Signetics	54LS164	
		54LS164B	
	TI	SN54LS164	
DM54LS168A	Motorola	SN54LS168	
	National	54LS168	
	SGS-Thomson		
		T54LS168	
	Signetics	54LS168A	
DM54LS169A	Motorola	SN54LS169	
	National	54LS169	
	SGS-Thomson		
		T54LS169	
	Signetics	54LS169A	
	TI	SN54LS169B	
DM54LS174	Motorola	SN54LS174	
	National	54LS174	
	SGS-Thomson		
		T54LS174	
		54LS174	
	Signetics	54LS174	
	TI	SN54LS174	
DM54LS175	Motorola	SN54LS175	
	National	54LS175	
	SGS-Thomson		
		T54LS175	
		54LS175	
	Signetics	54LS175	
	TI	SN54LS175	
DM54LS190	Motorola	SN54LS190	
	Signetics	54LS190	
	TI	SN54LS190	
DM54LS191	Motorola	SN54LS191	
	Signetics	54LS191	
	TI	SN54LS191	
DM54LS193	Motorola	SN54LS193	
	National	54LS193	
	SGS-Thomson		
		T54LS193	
		54LS193	
	Signetics	54LS193	
	TI	SN54LS193	
♦ DM54LS196	Lansdale	SL8292	
♦ DM54LS197	Lansdale	SL8293	
DM54LS20	Motorola	SN54LS20	
	National	54LS20	
	SGS-Thomson		
		T54LS20	
		54LS20	
	Signetics	54LS20	
	TI	SN54LS20	
DM54LS21	Motorola	SN54LS21	
	National	54LS21	
	Signetics	54LS21	
	TI	SN54LS21	
DM54LS221	Motorola	SN54LS221	
	Signetics	54LS221	
	TI	SN54LS221	
DM54LS240	Motorola	SN54LS240	
	National	54LS240	
	SGS-Thomson		
		T54LS240	
		54LS240	
	Signetics	54LS240	
	TI	SN54LS240	
DM54LS241	Motorola	SN54LS241	
	National	54LS241	
	Signetics	54LS241	
	TI	SN54LS241	
DM54LS242	Motorola	SN54LS242	
	Signetics	54LS242	
	TI	SN54LS242	
DM54LS243	Motorola	SN54LS243	
	Signetics	54LS243	
	TI	SN54LS243	
DM54LS245	Motorola	SN54LS245	
	National	54LS245	
	Signetics	54LS245	
	TI	SN54LS245	

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Manufacturer Device	Replacement Source	Device	IC Master Page
DM54LS251	Motorola	SN54LS251	
	Signetics	54LS251	
	TI	SN54LS251	
DM54LS253	Motorola	SN54LS253	
	National	54LS253	
	Signetics	54LS253	
	TI	SN54LS253	
DM54LS257B	Motorola	SN54LS257A	
	National	54LS257A	
	Signetics	54LS257A	
	TI	SN54LS257B	
DM54LS258B	Motorola	SN54LS258A	
	National	54LS258A	
	SGS-Thomson		
		T54LS258A	
		54LS258	
	Signetics	54LS258A	
	TI	SN54LS258B	
DM54LS259	Motorola	SN54LS259	
	National	54LS259	
	SGS-Thomson		
		T54LS259	
		54LS259	
	Signetics	54LS259	
	TI	SN54LS259B	
DM54LS26	Motorola	SN54LS26	
	National	54LS26	
	Signetics	54LS26	
	TI	SN54LS26	
DM54LS27	Motorola	SN54LS27	
	National	54LS27	
	SGS-Thomson		
		T54LS27	
		54LS27	
	Signetics	54LS27	
	TI	SN54LS27	
DM54LS279	Motorola	SN54LS279	
	National	54LS279	
	SGS-Thomson		
		T54LS279	
		54LS279	
	Signetics	54LS279	
	TI	SN54LS279A	
DM54LS283	Motorola	SN54LS283	
	National	54LS283	
	SGS-Thomson		
		54LS283	
	Signetics	54LS283	
	TI	SN54LS283	
DM54LS30	Motorola	SN54LS30	
	National	54LS30	
	SGS-Thomson		
		T54LS30	
		54LS30	
	Signetics	54LS30	
	TI	SN54LS30	
DM54LS32	Motorola	SN54LS32	
	National	54LS32	
	SGS-Thomson		
		T54LS32	
		54LS32	
	Signetics	54LS32	
	TI	SN54LS32	
DM54LS352	National	54LS352	
	SGS-Thomson		
		T54LS352	
	Signetics	54LS352	
	TI	SN54LS352	
DM54LS365A	Motorola	SN54LS365A	
	National	54LS365	
	SGS-Thomson		
		T54LS365A	
		54LS365	
	Signetics	54LS365A	
	TI	SN54LS365A	
DM54LS366A	Motorola	SN54LS366A	
	National	54LS366	
	SGS-Thomson		
		T54LS366A	
		54LS366	
	Signetics	54LS366A	
	TI	SN54LS366A	
DM54LS367A	Motorola	SN54LS367A	
	National	54LS367	
	SGS-Thomson		
		T54LS367A	
		54LS367	
	Signetics	54LS367A	
	TI	SN54LS367A	
DM54LS368A	Motorola	SN54LS368A	
	National	54LS368	
	SGS-Thomson		
		T54LS368A	
		54LS368	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
National Semiconductor (Cont'd)			
DM54LS368A			(Cont'd)
	Signetics	54LS368A	
	TI	SN54LS368A	
DM54LS37	Motorola	SN54LS37	
	National	54LS37	
	SGS-Thomson		
		T54LS37	
		54LS37	
	Signetics	54LS37	
	TI	SN54LS37	
DM54LS373	Motorola	SN54LS373	
	SGS-Thomson		
		T54LS373	
		54LS373	
	Signetics	54LS373	
	TI	SN54LS373	
DM54LS374	Motorola	SN54LS374	
	National	54LS374	
	SGS-Thomson		
		T54LS374	
		54LS374	
	Signetics	54LS374	
	TI	SN54LS374	
DM54LS38	Motorola	SN54LS38	
	National	54LS38	
	SGS-Thomson		
		T54LS38	
		54LS38	
	Signetics	54LS38	
	TI	SN54LS38	
♦ DM54LS386	Lansdale	ML8241	
		SL8241	
DM54LS42	Motorola	SN54LS42	
	National	54LS42	
	SGS-Thomson		
		T54LS42	
		54LS42	
	Signetics	54LS42	
	TI	SN54LS42	
♦ DM54LS54	Lansdale	SL8848	
DM54LS670	Motorola	SN54LS670	
	National	54LS670	
	SGS-Thomson		
		54LS670	
	Signetics	54LS670	
	TI	SN54LS670	
DM54LS73A	Signetics	54LS73	
	TI	SN54LS73A	
DM54LS74	Motorola	SN54LS74A	
	National	54LS74	
	SGS-Thomson		
		T54LS74A	
		54LS74	
	Signetics	54LS74A	
	TI	SN54LS74A	
DM54LS75	Motorola	SN54LS75	
	Signetics	54LS75	
	TI	SN54LS75	
DM54LS83A	Motorola	SN54LS83A	
	National	54LS83A	
	SGS-Thomson		
		54LS83A	
	Signetics	54LS83A	
	TI	SN54LS83A	
DM54LS85	Motorola	SN54LS85	
	National	54LS85	
	Signetics	54LS85	
	TI	SN54LS85	
DM54LS86	Motorola	SN54LS86	
	Signetics	54LS86	
	TI	SN54LS86A	
♦ DM54L00	Rochester	54L00	
♦ DM54L01	Rochester	54L01	
♦ DM54L02	Rochester	54L02	
♦ DM54L03	Rochester	54L03	
♦ DM54L04	Rochester	54L04	
♦ DM54L10	Rochester	54L10	
♦ DM54L123	Rochester	54L123	
♦ DM54L154	Rochester	54L154	
♦ DM54L157	Rochester	54L157	
♦ DM54L164	Rochester	54L164	
♦ DM54L165	Rochester	54L165	
♦ DM54L192	Rochester	54L192	
♦ DM54L193	Rochester	54L193	
♦ DM54L20	Rochester	54L20	
♦ DM54L30	Rochester	54L30	
♦ DM54L42	Rochester	54L42	
♦ DM54L51	Rochester	54L51	
♦ DM54L54	Rochester	54L54	
♦ DM54L55	Rochester	54L55	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ DM54L71	Rochester	54L71	
♦ DM54L74	Rochester	54L74	
♦ DM54L75	Rochester	54L75	
♦ DM54L78	Rochester	54L78	
♦ DM54L85	Rochester	54L85	
♦ DM54L86	Rochester	54L86	
♦ DM54L91	Rochester	54L91	
♦ DM54L95	Rochester	54L95	
♦ DM54L98	Rochester	54L98	
DM54S00	Rochester	54S00	
	Signetics	54S00	
	TI	SN54S00	
DM54S02	Rochester	54S02	
	Signetics	54S02	
	TI	SN54S02	
DM54S03	Signetics	54S03	
	TI	SN54S03	
DM54S04	Rochester	54S04	
	Signetics	54S04	
	TI	SN54S04	
DM54S08	Rochester	54S08	
	Signetics	54S08	
	TI	SN54S08	
DM54S10	Rochester	54S10	
	Signetics	54S10	
	TI	SN54S10	
DM54S11	Rochester	54S11	
	Signetics	54S11	
	TI	SN54S11	
DM54S112	Rochester	54S112	
	Signetics	54S112	
	TI	SN54S112	
DM54S113	Rochester	54S113	
	Signetics	54S113	
	TI	SN54S113	
DM54S133	Rochester	54S133	
	Signetics	54S133	
	TI	SN54S133	
DM54S138	Signetics	54S138	
	TI	SN54S138	
DM54S139	Rochester	54S139	
	Signetics	54S139	
	TI	SN54S139	
DM54S140	Signetics	54S140	
	TI	SN54S140	
DM54S151	Rochester	54S151	
	Signetics	54S151	
	TI	SN54S151	
DM54S153	Rochester	54S153	
	Signetics	54S153	
	TI	SN54S153	
DM54S157	Rochester	54S157	
	Signetics	54S157	
	TI	SN54S157	
DM54S158	Rochester	54S158	
	Signetics	54S158	
	TI	SN54S158	
DM54S174	Rochester	54S174	
	Signetics	54S174	
	TI	SN54S174	
DM54S175	Rochester	54S175	
	Signetics	54S175	
	TI	SN54S175	
DM54S188	National	DM54S188A	
DM54S188A	National	DM54S188	
DM54S189	Cypress	CY27LS03	
		CY27S03	
		CY54S189	
		CY7C189	
		CY74S189	
	National	DM54S189A	
	Signetics	54S189	
DM54S189A	National	DM54S189	
	Signetics	54S189	
DM54S194	TI	SN54S194	
DM54S195	Signetics	54S195	
	TI	SN54S195	
DM54S20	Rochester	54S20	
	Signetics	54S20	
	TI	SN54S20	
DM54S240	AMD	AM54S240	
	Signetics	54S240	
	TI	SN54S240	
DM54S241	AMD	AM54S241	
	Signetics	54S241	
	TI	SN54S241	
DM54S251	Signetics	54S251	
	TI	SN54S251	
DM54S253	Rochester	54S253	
	Signetics	54S253	
DM54S257	Signetics	54S257	
	TI	SN54S257	

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Manufacturer Device	Replacement Source	Device	IC Master Page
DM54S258	Rochester	54S258	
	Signetics	54S258	
	TI	SN54S258	
DM54S280	Signetics	54S280	
	TI	SN54S280	
DM54S288	National	DM54S288A	
DM54S288A	National	DM54S288	
DM54S30	Rochester	54S30	
	TI	SN54S30	
DM54S32	Signetics	54S32	
	TI	SN54S32	
DM54S373	Signetics	54S373	
	TI	SN54S373	
DM54S40	Rochester	54S40	
	Signetics	54S40	
	TI	SN54S40	
DM54S472	National	DM54S472A	
		DM54S472B	
DM54S472A	National	DM54S472	
		DM54S472B	
DM54S472B	National	DM54S472	
		DM54S472A	
DM54S473	National	DM54S473A	
DM54S473A	National	DM54S473	
DM54S474	National	DM54S474B	
DM54S474B	National	DM54S474	
DM54S475	National	DM54S475A	
DM54S475A	National	DM54S475	
DM54S570	National	DM54S570A	
DM54S570A	National	DM54S570	
DM54S571	National	DM54S571A	
		DM54S571B	
DM54S571A	National	DM54S571	
		DM54S571B	
DM54S571B	National	DM54S571	
		DM54S571A	
DM54S572	National	DM54S572A	
DM54S572A	National	DM54S572	
DM54S573	National	DM54S573A	
		DM54S573B	
DM54S573A	National	DM54S573	
		DM54S573B	
DM54S573B	National	DM54S573	
		DM54S573A	
DM54S64	Signetics	54S64	
	TI	SN54S64	
♦ DM5400	Lansdale	ML5400	
		SL8480	
♦ DM5400	Rochester	5400	
		5401	
♦ DM5401	Lansdale	SL8881	
		SL8889	
♦ DM5402	Lansdale	ML5402	
		SL5402	
♦ DM5402	Rochester	5402	
♦ DM5403	Lansdale	ML5403	
		SL8481	
♦ DM5404	Lansdale	ML5404	
		SL8490	
♦ DM5404	Rochester	5404	
♦ DM5405	Lansdale	ML5405	
♦ DM5406	Lansdale	ML5406	
	Rochester	5406	
♦ DM5407	Lansdale	ML5407	
	Rochester	5407	
♦ DM5408	Lansdale	ML5408	
	Rochester	5408	
♦ DM5409	Lansdale	ML5409	
		SL5409	
♦ DM5409	Rochester	5409	
♦ DM5410	Lansdale	ML5410	
		SL8470	
♦ DM5411	Rochester	5411	
♦ DM54121	Rochester	54121	
♦ DM54123	Lansdale	ML54123	
♦ DM54126	Rochester	54126	
♦ DM5413	Lansdale	ML5413	
	Rochester	5413	
♦ DM54132	Rochester	54132	
♦ DM5414	Lansdale	ML5414	
		ML7414	
♦ DM5414	Rochester	5414	
♦ DM54141	Rochester	54141	
♦ DM54144	Rochester	54144	
♦ DM54145	Rochester	54145	
♦ DM54148	Rochester	54148	
		7618	
♦ DM54150	Rochester	54150	
♦ DM54151	Rochester	54151	
♦ DM54152	Rochester	54152	
♦ DM54154	Rochester	54154	
♦ DM54155	Rochester	54155	
♦ DM54156	Rochester	54156	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ DM54157	Rochester	54157	
♦ DM5416	Lansdale	ML5416	
	Rochester	5416	
♦ DM54160	Rochester	54160	
♦ DM54162	Rochester	54162	
♦ DM54164	Rochester	54164	
♦ DM54165	Rochester	54165	
♦ DM54166	Rochester	54166	
♦ DM54167	Rochester	54167	
♦ DM5417	Lansdale	ML5417	
	Rochester	5417	
♦ DM54173	Rochester	54173	
♦ DM54174	Rochester	54174	
♦ DM54176	Rochester	54176	
♦ DM54177	Rochester	54177	
♦ DM54178	Rochester	54178	
♦ DM54179	Rochester	54179	
♦ DM54180	Rochester	54180	
♦ DM54181	Rochester	54181	
		7181	
♦ DM54182	Rochester	54182	
		9342	
♦ DM54185	Rochester	54185	
♦ DM54190	Rochester	54190	
♦ DM54192	Rochester	54192	
♦ DM54193	Rochester	54193	
♦ DM54195	Rochester	54195	
♦ DM54196	Rochester	54196	
♦ DM54197	Rochester	54197	
♦ DM54198	Rochester	54198	
♦ DM54199	Rochester	54199	
♦ DM5420	Lansdale	ML5420	
	Rochester	5420	
♦ DM5423	Lansdale	ML5423	
	Rochester	5423	
♦ DM5425	Lansdale	ML5425	
		SL8815	
♦ DM54251	Rochester	54251	
♦ DM5426	Lansdale	ML5426	
♦ DM5427	Lansdale	ML5427	
		SL8875	
♦ DM5427	Rochester	5427	
♦ DM5430	Lansdale	ML5430	
		SL8808	
♦ DM5430	Rochester	5430	
♦ DM5432	Rochester	5432	
♦ DM54368	Rochester	54368	
♦ DM5437	Lansdale	ML5437	
	Rochester	5437	
♦ DM5438	Lansdale	ML5438	
	Rochester	5438	
♦ DM5440	Lansdale	ML5440	
		SL8455	
		SL8859	
♦ DM5440	Rochester	5440	
♦ DM5441	Lansdale	ML5441	
♦ DM5442	Rochester	5442	
♦ DM5445	Lansdale	ML5445	
♦ DM5448	Lansdale	ML5448	
		SL5448	
♦ DM5448	Rochester	5448	
♦ DM5450	Lansdale	ML5450	
	Rochester	5450	
♦ DM5451	Lansdale	ML5451	
		8840	
♦ DM5451	Rochester	5451	
♦ DM5453	Lansdale	ML5453	
		SL5453	
♦ DM5453	Rochester	5453	
♦ DM5454	Lansdale	ML5454	
		SL5454	
♦ DM5454	Rochester	5454	
♦ DM5460	Lansdale	ML5460	
		SL5460	
		SL8806	
♦ DM5460	Rochester	5460	
♦ DM5470	Lansdale	ML5470	
		SL5470	
♦ DM5470	Rochester	5470	
♦ DM5472	Lansdale	ML5472	
		SL5472	
♦ DM5472	Rochester	5472	
♦ DM5473	Lansdale	ML5473	
♦ DM5474	Lansdale	ML5474	
		SL8828	
♦ DM5474	Rochester	5474	
♦ DM5475	Lansdale	ML5475	
♦ DM5476	Rochester	5476	
♦ DM5485	Rochester	5485	
♦ DM5486	Lansdale	ML5486	
♦ DM5490	Lansdale	ML5490	
	Rochester	5490	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ DM5491	Lansdale	ML5491	
	Rochester	5491	
♦ DM5492	Lansdale	ML5492	
	Rochester	5492	
♦ DM5493	Lansdale	ML5493	
	Rochester	5493	
♦ DM5495	Rochester	5495	
♦ DM5496	Rochester	5496	
♦ DM7096	Lansdale	SL8T96	
♦ DM7130	Rochester	7130	
♦ DM7131	Rochester	DM7131	
		7131	
♦ DM7136	Rochester	7136	
♦ DM7160	Rochester	7160	
♦ DM7181	Rochester	54181	
		7181	
♦ DM7200	Lansdale	SL8269	
♦ DM7280	Lansdale	ML7280	
♦ DM7288	Lansdale	ML7288	
♦ DM7290	Lansdale	ML7290	
		SL7291	
DM74ALS00	Signetics	74ALS00A	
	TI	SN74ALS00A	
DM74ALS01	TI	SN74ALS01	
DM74ALS02	Mitsubishi	M74ALS02	
	Signetics	74ALS02	
	TI	SN74ALS02	
DM74ALS03	Mitsubishi	M74ALS03B	
	TI	SN74ALS03B	
DM74ALS04	Mitsubishi	M74ALS04B	
	Signetics	74ALS04B	
	TI	SN74ALS04B	
DM74ALS05	Mitsubishi	M74ALS05A	
	TI	SN74ALS05A	
DM74ALS08	Mitsubishi	M74ALS08	
	Signetics	74ALS08	
	TI	SN74ALS08	
DM74ALS09	Mitsubishi	M74ALS09	
	TI	SN74ALS09A	
DM74ALS10	Mitsubishi	M74ALS10A	
	Signetics	74ALS10A	
	TI	SN74ALS10A	
DM74ALS1000	Mitsubishi	M74ALS1000A	
	TI	SN74ALS1000A	
DM74ALS1002	Mitsubishi	M74ALS1002A	
	TI	SN74ALS1002A	
DM74ALS1003	Mitsubishi	M74ALS1003A	
	TI	SN74ALS1003A	
DM74ALS1004	Mitsubishi	M74ALS1004	
	TI	SN74ALS1004	
DM74ALS1005	Mitsubishi	M74ALS1005	
	TI	SN74ALS1005	
DM74ALS1008	Mitsubishi	M74ALS1008A	
	TI	SN74ALS1008A	
DM74ALS1010	Mitsubishi	M74ALS1010A	
	TI	SN74ALS1010A	
DM74ALS1011	Mitsubishi	M74ALS1011A	
	TI	SN74ALS1011A	
DM74ALS1020	Mitsubishi	M74ALS1020A	
	TI	SN74ALS1020A	
DM74ALS1032	Mitsubishi	M74ALS1032A	
	TI	SN74ALS1032A	
DM74ALS1034	Mitsubishi	M74ALS1034	
	TI	SN74ALS1034	
DM74ALS1035	Mitsubishi	M74ALS1035	
	TI	SN74ALS1035	
DM74ALS109	Mitsubishi	M74ALS109A	
	Signetics	74ALS109A	
	TI	SN74ALS109	
DM74ALS11	Mitsubishi	M74ALS11A	
	Signetics	74ALS11A	
	TI	SN74ALS11A	
DM74ALS12	Mitsubishi	M74ALS12A	
	TI	SN74ALS12A	
DM74ALS1240	Mitsubishi	M74ALS1240A	
	TI	SN74ALS1240	
		SN74ALS1240-1	

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Manufacturer Device	Replacement Source	Device	IC Master Page
DM74ALS1241			
	Mitsubishi	M74ALS1241A	
DM74ALS1242			
	Mitsubishi	M74ALS1242A	
	TI	SN74ALS1242	
		SN74ALS1242-1	
DM74ALS1243			
	Mitsubishi	M74ALS1243A	
DM74ALS1244			
	Mitsubishi	M74ALS1244A	
	TI	SN74ALS1244A	
		SN74ALS1244A-1	
DM74ALS131	Mitsubishi	M74ALS131	
	TI	SN74ALS131	
DM74ALS133	Mitsubishi	M74ALS133	
	TI	SN74ALS133	
DM74ALS136	TI	SN74ALS136	
DM74ALS137	Mitsubishi	M74ALS137	
	TI	SN74ALS137	
DM74ALS138	Mitsubishi	M74ALS138	
	Signetics	74ALS138	
	TI	SN74ALS138	
DM74ALS15	Mitsubishi	M74ALS15A	
	TI	SN74ALS15A	
DM74ALS151	Mitsubishi	M74ALS151	
	Signetics	74ALS151	
	TI	SN74ALS151	
DM74ALS153	Mitsubishi	M74ALS153	
	Signetics	74ALS153	
	TI	SN74ALS153	
DM74ALS160	Mitsubishi	M74ALS160B	
	TI	SN74ALS160B	
DM74ALS161	Mitsubishi	M74ALS161B	
	Signetics	74ALS161B	
	TI	SN74ALS161B	
DM74ALS162	Mitsubishi	M74ALS162B	
	TI	SN74ALS162B	
DM74ALS163	Mitsubishi	M74ALS163B	
	Signetics	74ALS163B	
	TI	SN74ALS163B	
DM74ALS165	TI	SN74ALS165	
DM74ALS166	TI	SN74ALS166	
DM74ALS168	Mitsubishi	M74ALS168B	
	TI	SN74ALS168B	
DM74ALS169	Mitsubishi	M74ALS169B	
	TI	SN74ALS169B	
DM74ALS174	Mitsubishi	M74ALS174	
	Signetics	74ALS174	
	TI	SN74ALS174	
DM74ALS175	Mitsubishi	M74ALS175	
	Signetics	74ALS175	
	TI	SN74ALS175	
DM74ALS20	Mitsubishi	M74ALS20A	
	Signetics	74ALS20A	
	TI	SN74ALS20A	
DM74ALS21	Mitsubishi	M74ALS21A	
	TI	SN74ALS21A	
DM74ALS22	Mitsubishi	M74ALS22B	
	TI	SN74ALS22B	
DM74ALS240	Harris	CD74FCT240	
	Mitsubishi	M74ALS240A	
		M74ALS240A-1	
	Signetics	74ALS240A	
		74ALS240A-1	
	TI	SN74ALS240A	
		SN74ALS240A-1	
DM74ALS241	Harris	CD74FCT241	
	Mitsubishi	M74ALS241A	
		M74ALS241A-1	
	Signetics	74ALS241A	
		74ALS241A-1	
	TI	SN74ALS241A	
		SN74ALS241A-1	
DM74ALS242	Mitsubishi	M74ALS242A	
	TI	SN74ALS242B	
		SN74ALS242B-1	
DM74ALS243	Mitsubishi	M74ALS243A	
	TI	SN74ALS243A	
		SN74ALS243A-1	
DM74ALS244	Harris	CD74FCT244	
	Mitsubishi	M74ALS244A	
		M74ALS244A-1	
	Signetics	74ALS244A	
		74ALS244A-1	
	TI	SN74ALS244A	
		SN74ALS244A-1	
DM74ALS245	Harris	CD74FCT245	
	Mitsubishi	M74ALS245A	
		M74ALS245A-1	
	Signetics	74ALS245A	
		74ALS245A-1	
	TI	SN74ALS245A	
		SN74ALS245A-1	

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Manufacturer Device	Replacement Source	Device	IC Master Page
DM74ALS251	Mitsubishi	M74ALS251	
	Signetics	74ALS251	
	TI	SN74ALS251	
DM74ALS253	Mitsubishi	M74ALS253	
	Signetics	74ALS253	
	TI	SN74ALS253	
DM74ALS257	Mitsubishi	M74ALS257	
	Signetics	74ALS257	
	TI	SN74ALS257	
DM74ALS258	Mitsubishi	M74ALS258	
	Signetics	74ALS258	
	TI	SN74ALS258	
DM74ALS27	Signetics	74ALS27	
	TI	SN74ALS27	
DM74ALS273	Harris	CD74FCT273	
	Mitsubishi	M74ALS273	
	Signetics	74ALS273	
	TI	SN74ALS273	
DM74ALS28	Mitsubishi	M74ALS28A	
	TI	SN74ALS28A	
DM74ALS30	Mitsubishi	M74ALS30A	
	Signetics	74ALS30A	
	TI	SN74ALS30A	
DM74ALS32	Signetics	74ALS32	
	TI	SN74ALS32	
DM74ALS33	Mitsubishi	M74ALS33A	
	TI	SN74ALS33A	
DM74ALS352	Mitsubishi	M74ALS352	
	TI	SN74ALS352	
DM74ALS353	Mitsubishi	M74ALS353	
	TI	SN74ALS353	
DM74ALS37	Mitsubishi	M74ALS37A	
	TI	SN74ALS37A	
DM74ALS373	Harris	CD74FCT373	
	Mitsubishi	M74ALS373	
	Signetics	74ALS373	
	TI	SN74ALS373	
DM74ALS374	Harris	CD74FCT374	
	Mitsubishi	M74ALS374	
	Signetics	74ALS374	
	TI	SN74ALS374	
		SN74ALS374A	
DM74ALS38	Mitsubishi	M74ALS38A	
	Signetics	74ALS38A	
	TI	SN74ALS38A	
DM74ALS40	Mitsubishi	M74ALS40A	
	TI	SN74ALS40A	
DM74ALS465	Mitsubishi	M74ALS465A	
	TI	SN74ALS465A	
DM74ALS466	Mitsubishi	M74ALS466A	
	TI	SN74ALS466A	
DM74ALS467	Mitsubishi	M74ALS467A	
	TI	SN74ALS467A	
DM74ALS468	Mitsubishi	M74ALS468A	
	TI	SN74ALS468A	
DM74ALS518	TI	SN74ALS518	
DM74ALS519	TI	SN74ALS519	
DM74ALS520	TI	SN74ALS520	
DM74ALS521	TI	SN74ALS521	
DM74ALS522	TI	SN74ALS522	
DM74ALS533	Harris	CD74FCT533	
	Mitsubishi	M74ALS533	
	TI	SN74ALS533	
DM74ALS534	Harris	CD74FCT534	
	Mitsubishi	M74ALS534	
	TI	SN74ALS534	
		SN74ALS534A	
DM74ALS563	Harris	CD74FCT563	
	Mitsubishi	M74ALS563A	
	Signetics	74ALS563A	
	TI	SN74ALS563	
		SN74ALS563A	
DM74ALS564	Harris	CD74FCT564	
	Mitsubishi	M74ALS564A	
	Signetics	74ALS564A	
	TI	SN74ALS564	
		SN74ALS564A	
DM74ALS573	Harris	CD74FCT573	
	Mitsubishi	M74ALS573B	
	Signetics	74ALS573B	
	TI	SN74ALS573	
		SN74ALS573B	
DM74ALS574	Harris	CD74FCT574	
	Mitsubishi	M74ALS574A	
	Signetics	74ALS574A	
	TI	SN74ALS574	
		SN74ALS574A	
DM74ALS576	Mitsubishi	M74ALS576A	
	TI	SN74ALS576	
		SN74ALS576A	
DM74ALS580	Mitsubishi	M74ALS580A	
	TI	SN74ALS580	
		SN74ALS580A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
DM74ALS640	Harris	CD74FCT640	
	Mitsubishi	M74ALS640A	
		M74ALS640A-1	
	TI	SN74ALS640A	
		SN74ALS640A-1	
DM74ALS645	Mitsubishi	M74ALS645A	
		M74ALS645A-1	
	Signetics	74ALS645A	
		74ALS645A-1	
	TI	SN74ALS645A	
		SN74ALS645A-1	
DM74ALS648	Mitsubishi	M74ALS648	
	National	DM74ALS648-1	
	Signetics	74ALS648	
		74ALS648-1	
	TI	SN74ALS648	
		SN74ALS648-1	
DM74ALS648-1			
	Mitsubishi	M74ALS648	
	National	DM74ALS648	
	Signetics	74ALS648	
		74ALS648-1	
	TI	SN74ALS648	
		SN74ALS648-1	
DM74ALS651	Harris	CD74FCT651	
	Mitsubishi	M74ALS651	
	Signetics	74ALS651	
		74ALS651-1	
	TI	SN74ALS651	
		SN74ALS651-1	
DM74ALS689	TI	SN74ALS689	
DM74ALS74	Mitsubishi	M74ALS74A	
	Signetics	74ALS74A	
	TI	SN74ALS74A	
DM74ALS804	TI	SN74ALS804A	
DM74ALS805	TI	SN74ALS805A	
DM74ALS808	TI	SN74ALS808A	
DM74ALS810	TI	SN74ALS810	
DM74ALS811	TI	SN74ALS811	
DM74ALS832	TI	SN74ALS832A	
DM74ALS86	Signetics	74ALS86	
	TI	SN74ALS86	
DM74ALS873	Mitsubishi	M74ALS873B	
	TI	SN74ALS873B	
DM74ALS874	Mitsubishi	M74ALS874B	
	TI	SN74ALS874B	
DM74ALS876	Mitsubishi	M74ALS876A	
	TI	SN74ALS876A	
DM74ALS880	Mitsubishi	M74ALS880A	
	TI	SN74ALS880A	
DM74AS00	TI	SN74AS00	
DM74AS02	TI	SN74AS02	
DM74AS04	TI	SN74AS04	
DM74AS08	TI	SN74AS08	
DM74AS10	TI	SN74AS10	
DM74AS1000	TI	SN74AS1000A	
DM74AS1004	TI	SN74AS1004A	
DM74AS1008	TI	SN74AS1008A	
DM74AS1032	TI	SN74AS1032A	
DM74AS1034	TI	SN74AS1034A	
DM74AS1036	TI	SN74AS1036A	
DM74AS109	TI	SN74AS109	
DM74AS11	TI	SN74AS11	
DM74AS158	TI	SN74AS158	
DM74AS160	TI	SN74AS160	
DM74AS161	TI	SN74AS161	
DM74AS162	TI	SN74AS162	
DM74AS163	TI	SN74AS163	
DM74AS168	TI	SN74AS168	
DM74AS169	TI	SN74AS169	
DM74AS174	TI	SN74AS174	
DM74AS175	TI	SN74AS175A	
DM74AS1804	TI	SN74AS1804	
DM74AS1805	TI	SN74AS1805	
DM74AS1808	TI	SN74AS1808	
DM74AS181B	TI	SN74AS181B	
DM74AS182	TI	SN74AS182	
DM74AS1832	TI	SN74AS1832	
DM74AS20	TI	SN74AS20	
DM74AS21	TI	SN74AS21	
DM74AS230	TI	SN74AS230	
DM74AS231	TI	SN74AS231	
DM74AS240	Harris	CD74FCT240	
	TI	SN74AS240	
DM74AS241	Harris	CD74FCT241	
	TI	SN74AS241	
DM74AS242	TI	SN74AS242	
DM74AS243	TI	SN74AS243	
DM74AS244	Harris	CD74FCT244	
	TI	SN74AS244	
DM74AS245	Harris	CD74FCT245	
	TI	SN74AS245	
DM74AS257	TI	SN74AS257	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
DM74AS258	TI	SN74AS258	
DM74AS2620	TI	SN74AS2620	
DM74AS264	TI	SN74AS264	
DM74AS27	TI	SN74AS27	
DM74AS280	TI	SN74AS280	
DM74AS282	TI	SN74AS282	
DM74AS286	TI	SN74AS286	
DM74AS30	TI	SN74AS30	
DM74AS32	TI	SN74AS32	
DM74AS34	TI	SN74AS34	
DM74AS373	Harris	CD74FCT373	
	TI	SN74AS373	
DM74AS374	Harris	CD74FCT374	
	TI	SN74AS374	
DM74AS533	Harris	CD74FCT533	
	TI	SN74AS533	
DM74AS534	Harris	CD74FCT534	
	TI	SN74AS534	
DM74AS573	Harris	CD74FCT573	
	TI	SN74AS573	
		SN74AS573A	
DM74AS574	Harris	CD74FCT574	
	TI	SN74AS574	
DM74AS575	TI	SN74AS575	
DM74AS576	TI	SN74AS576	
DM74AS577	TI	SN74AS577	
DM74AS580	TI	SN74AS580	
DM74AS620	TI	SN74AS620	
DM74AS640	Harris	CD74FCT640	
	TI	SN74AS640	
DM74AS645	TI	SN74AS645	
DM74AS646	Harris	CD74FCT646	
	TI	SN74AS646	
DM74AS651	Harris	CD74FCT651	
	TI	SN74AS651	
DM74AS652	Harris	CD74FCT652	
	TI	SN74AS652	
DM74AS74	TI	SN74AS74	
DM74AS804A	TI	SN74AS804B	
DM74AS805A	TI	SN74AS805B	
DM74AS808A	TI	SN74AS808	
		SN74AS808B	
DM74AS832A	TI	SN74AS832B	
DM74AS86	TI	SN74AS86	
DM74AS873	TI	SN74AS873	
DM74AS874	TI	SN74AS874	
DM74AS876	TI	SN74AS876	
DM74AS878	TI	SN74AS878	
DM74AS879	TI	SN74AS879	
DM74AS880	TI	SN74AS880	
DM74AS881B	TI	SN74AS881A	
DM74F821	Signetics	N74F821	
DM74F823	Signetics	N74F823	
DM74F825	Signetics	N74F825	
DM74F827	Signetics	N74F827	
DM74F828	Signetics	N74F828	
DM74F841	Signetics	N74F841	
DM74F843	Signetics	N74F843	
DM74F845	Signetics	N74F845	
♦ DM74H00	Lansdale	ML74H00	
		SL74H00	
♦ DM74H00	Rochester	74H00	
♦ DM74H01	Lansdale	ML74H01	
		SL74H01	
♦ DM74H01	Rochester	74H01	
♦ DM74H04	Lansdale	ML74H04	
	Rochester	74H04	
♦ DM74H05	Lansdale	ML74H05	
	Rochester	74H05	
♦ DM74H08	Lansdale	ML74H08	
		SL74H08	
♦ DM74H08	Rochester	74H08	
♦ DM74H10	Lansdale	ML74H10	
		SL74H10	
♦ DM74H10	Rochester	74H10	
♦ DM74H101	Lansdale	ML74H101	
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♦ DM74H101	Rochester	74H101	
♦ DM74H102	Lansdale	ML74H102	
		SL74H102	
♦ DM74H102	Rochester	74H102	
♦ DM74H103	Lansdale	ML74H103	
		SL74H103	
♦ DM74H103	Rochester	74H103	
♦ DM74H106	Lansdale	SL74H106	
	Rochester	74H106	
♦ DM74H108	Lansdale	ML74H108	
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♦ DM74H108	Rochester	74H108	
♦ DM74H11	Lansdale	ML74H11	
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♦ DM74H11	Rochester	74H11	
♦ DM74H20	Lansdale	ML74H20	
		SL74H20	
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♦ DM74H20	Rochester	74H20	
♦ DM74H21	Lansdale	ML74H21	
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♦ DM74H22	Lansdale	ML74H22	
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♦ DM74H30	Lansdale	ML74H30	
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♦ DM74H50	Lansdale	ML74H50	
	Rochester	74H50	
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	Rochester	74H51	
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♦ DM74H55	Rochester	74H55	
♦ DM74H60	Lansdale	ML74H60	
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♦ DM74H62	Lansdale	ML74H62	
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♦ DM74H62	Rochester	74H62	
♦ DM74H71	Lansdale	ML74H71	
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♦ DM74H71	Rochester	74H71	
♦ DM74H72	Lansdale	ML74H72	
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♦ DM74H73	Lansdale	ML74H73	
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♦ DM74H73	Rochester	74H73	
♦ DM74H74	Lansdale	ML74H74	
		SL74H74	
♦ DM74H74	Rochester	74H74	
♦ DM74H76	Lansdale	SL74H76	
	Rochester	74H76	
♦ DM74H78	Rochester	74H78	
DM74LS00	GoldStar	GD74LS00	
	Hitachi	HD74LS00	
	Motorola	SN74LS00	
	National	74LS00	
	Rochester	74LS00	
	SGS-Thomson		
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		74LS00	
	Signetics	74LS00	
	TI	SN74LS00	
♦ DM74LS01	Hitachi	HD74LS01	
	Motorola	SN74LS01	
	SGS-Thomson		
		T74LS01	
		74LS01	
♦ DM74LS01	Signetics	74LS01	
	TI	SN74LS01	
DM74LS02	GoldStar	GD74LS02	
	Hitachi	HD74LS02	
	Motorola	SN74LS02	
	National	74LS02	
	SGS-Thomson		
		T74LS02	
		74LS02	
	Signetics	74LS02	
	TI	SN74LS02	
DM74LS03	Hitachi	HD74LS03	
	Motorola	SN74LS03	
	National	74LS03	
	Rochester	74LS03	
	SGS-Thomson		
		T74LS03A	
		74LS03	
	TI	SN74LS03	
DM74LS04	GoldStar	GD74LS04	
	Hitachi	HD74LS04	
	Motorola	SN74LS04	
	National	74LS04	
	Rochester	74LS04	
	SGS-Thomson		
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		74LS04	
	Signetics	74LS04	
	TI	SN74LS04	
DM74LS05	GoldStar	GD74LS05	
	Hitachi	HD74LS05	
	Motorola	SN74LS05	
	National	74LS05	
	Rochester	74LS05	
	SGS-Thomson		
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		74LS05	
	Signetics	74LS05	
	TI	SN74LS05	
DM74LS08	GoldStar	GD74LS08	
	Hitachi	HD74LS08	
	Motorola	SN74LS08	
	National	74LS08	
	Rochester	74LS08	
	SGS-Thomson		
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	Signetics	74LS08	
	TI	SN74LS08	
DM74LS09	Hitachi	HD74LS09	
	Motorola	SN74LS09	
	National	74LS09	
	Rochester	74LS09	
	SGS-Thomson		
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		74LS09	
	Signetics	74LS09	
	TI	SN74LS09	
DM74LS10	GoldStar	GD74LS10	
	Hitachi	HD74LS10	
	Motorola	SN74LS10	
	National	74LS10	
	Rochester	74LS10	
	SGS-Thomson		
		T74LS10	
		74LS10	
	Signetics	74LS10	
	TI	SN74LS10	
DM74LS107A	Hitachi	HD74LS107A	
	Motorola	SN74LS107A	
	Signetics	74LS107	
	TI	SN74LS107A	
DM74LS109	Hitachi	HD74LS109A	
	Motorola	SN74LS109A	
	National	74LS109	
	SGS-Thomson		
		T74LS109A	
	Signetics	74LS109	
	TI	SN74LS109A	
DM74LS11	GoldStar	GD74LS11	
	Hitachi	HD74LS11	
	Motorola	SN74LS11	
	National	74LS11	
	Rochester	74LS11	
	SGS-Thomson		
		T74LS11	
		74LS11	
	Signetics	74LS11	
	TI	SN74LS11	
DM74LS112	Hitachi	HD74LS112	
	Motorola	SN74LS112A	
	National	74LS112	
	SGS-Thomson		
		T74LS112A	
	Signetics	74LS112	
	TI	SN74LS112A	
DM74LS12	Hitachi	HD74LS12	
	Motorola	SN74LS12	
	National	74LS12	
	Rochester	74LS12	
	SGS-Thomson		
		T74LS12	
		74LS12	
	TI	SN74LS12	
DM74LS122	Hitachi	HD74LS122	
	Motorola	SN74LS122	
	TI	SN74LS122	
DM74LS123	GoldStar	GD74LS123	
	Hitachi	HD74LS123	
	Motorola	SN74LS123	
	TI	SN74LS123	
DM74LS125A	GoldStar	GD74LS125A	
	Hitachi	HD74LS125A	
DM74LS125A			(Cont'd)
	Motorola	SN74LS125A	
	National	74LS125	
	SGS-Thomson		
		T74LS125A	
		74LS125A	
	Signetics	74LS125A	
	TI	SN74LS125A	
DM74LS126	Hitachi	HD74LS126A	
	Motorola	SN74LS126A	
	National	74LS126	
	SGS-Thomson		
		T74LS126A	
		74LS126	
	Signetics	74LS126A	
	TI	SN74LS126A	
DM74LS132	Hitachi	HD74LS132	
	Motorola	SN74LS132	
	National	74LS132	
	SGS-Thomson		
		T74LS132	
		74LS132	
	Signetics	74LS132	
	TI	SN74LS132	
DM74LS138	GoldStar	GD74LS138	
	Hitachi	HD74LS138	
	Motorola	SN74LS138	
	National	74LS138	
	SGS-Thomson		
		T74LS138	
		74LS138	
	Signetics	74LS138	
	TI	SN74LS138	
DM74LS139	GoldStar	GD74LS139	
	Hitachi	HD74LS139	
	Motorola	SN74LS139	
	National	74LS139	
	SGS-Thomson		
		T74LS139	
		74LS139	
	Signetics	74LS139	
	TI	SN74LS139A	
DM74LS14	GoldStar	GD74LS14	
	Hitachi	HD74LS14	
	Motorola	SN74LS14	
	National	74LS14	
	SGS-Thomson		
		T74LS14	
		74LS14	
	Signetics	74LS14	
	TI	SN74LS14	
DM74LS151	Hitachi	HD74LS151A	
	Motorola	SN74LS151	
	National	74LS151	
	SGS-Thomson		
		T74LS151	
		74LS151	
	Signetics	74LS151	
	TI	SN74LS151	
DM74LS153	GoldStar	GD74LS153	
	Hitachi	HD74LS153	
	Motorola	SN74LS153	
	National	74LS153	
	SGS-Thomson		
		T74LS153	
		74LS153	
	Signetics	74LS153	
	TI	SN74LS153	
DM74LS154	GoldStar	GD74LS154	
	Hitachi	HD74LS154	
	Signetics	74LS154	
DM74LS155	Hitachi	HD74LS155	
	Motorola	SN74LS155	
	National	74LS155	
	SGS-Thomson		
		T74LS155	
		74LS155	
	Signetics	74LS155	
	TI	SN74LS155A	
DM74LS156	Hitachi	HD74LS156	
	Motorola	SN74LS156	
	National	74LS156	
	SGS-Thomson		
		T74LS156	
		74LS156	
	Signetics	74LS156	
	TI	SN74LS156	
DM74LS157	GoldStar	GD74LS157	
	Hitachi	HD74LS157	
	Motorola	SN74LS157	
	National	74LS157	
	SGS-Thomson		
		T74LS157	
		74LS157	

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Manufacturer Device	Replacement Source	Device	IC Master Page
DM74LS157			(Cont'd)
	Signetics	74LS157	
	TI	SN74LS157	
DM74LS158	GoldStar	GD74LS158	
	Hitachi	HD74LS158	
	Motorola	SN74LS158	
	National	74LS158	
	Rochester	74LS158	
	SGS-Thomson		
		T74LS158	
		74LS158	
	Signetics	74LS158	
	TI	SN74LS158	
DM74LS161A	GoldStar	GD74LS161A	
	Hitachi	HD74LS161A	
	Motorola	SN74LS161A	
	National	74LS161	
	Signetics	74LS161A	
	TI	SN74LS161A	
DM74LS163A	GoldStar	GD74LS163A	
	Hitachi	HD74LS163A	
	Motorola	SN74LS163A	
	National	74LS163	
	Signetics	74LS163A	
	TI	SN74LS163A	
DM74LS164	GoldStar	GD74LS164	
	Hitachi	HD74LS164	
	Motorola	SN74LS164	
	National	74LS164	
	SGS-Thomson		
		T74LS164	
		74LS164	
	Signetics	74LS164	
	TI	SN74LS164	
DM74LS166	Motorola	SN74LS166	
	SGS-Thomson		
		T74LS166	
		74LS166	
	TI	SN74LS166A	
DM74LS169A	Motorola	SN74LS169	
	National	74LS169	
	Rochester	74LS169	
	SGS-Thomson		
		T74LS169	
		74LS169	
	Signetics	74LS169A	
	TI	SN74LS169B	
DM74LS174	GoldStar	GD74LS174	
	Hitachi	HD74LS174	
	Motorola	SN74LS174	
	National	74LS174	
	SGS-Thomson		
		T74LS174	
		74LS174	
	Signetics	74LS174	
	TI	SN74LS174	
DM74LS175	GoldStar	GD74LS175	
	Hitachi	HD74LS175	
	Motorola	SN74LS175	
	National	74LS175	
	SGS-Thomson		
		T74LS175	
		74LS175	
	Signetics	74LS175	
	TI	SN74LS175	
DM74LS190	Hitachi	HD74LS190	
	Motorola	SN74LS190	
	National	74LS190	
	SGS-Thomson		
		T74LS190	
		74LS190	
	TI	SN74LS190	
DM74LS191	Hitachi	HD74LS191	
	Motorola	SN74LS191	
	National	74LS191	
	SGS-Thomson		
		T74LS191	
		74LS191	
	Signetics	74LS191	
	TI	SN74LS191	
DM74LS193	Hitachi	HD74LS193	
	Motorola	SN74LS193	
	National	74LS193	
	SGS-Thomson		
		T74LS193	
		74LS193	
	Signetics	74LS193	
	TI	SN74LS193	
DM74LS194A	GoldStar	GD74LS194A	
	Hitachi	HD74LS194A	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
DM74LS194A			(Cont'd)
	Motorola	SN74LS194A	
	Rochester	74LS194	
	SGS-Thomson		
		T74LS194A	
		74LS194	
	Signetics	74LS194A	
	TI	SN74LS194A	
DM74LS195A	Hitachi	HD74LS195A	
	Motorola	SN74LS195A	
	SGS-Thomson		
		T74LS195A	
		74LS195	
	Signetics	74LS195A	
	TI	SN74LS195A	
DM74LS20	Hitachi	HD74LS20	
	Motorola	SN74LS20	
	National	74LS20	
	Rochester	74LS20	
	SGS-Thomson		
		T74LS20	
		74LS20	
	Signetics	74LS20	
	TI	SN74LS20	
DM74LS21	GoldStar	GD74LS21	
	Hitachi	HD74LS21	
	Motorola	SN74LS21	
	National	74LS21	
	Rochester	74LS21	
	SGS-Thomson		
		T74LS21	
		74LS21	
	Signetics	74LS21	
	TI	SN74LS21	
DM74LS221	Hitachi	HD74LS221	
	Motorola	SN74LS221	
	TI	SN74LS221	
DM74LS240	GoldStar	GD74LS240	
	Hitachi	HD74LS240	
	Motorola	SN74LS240	
	National	74LS240	
	SGS-Thomson		
		T74LS240	
		74LS240	
	Signetics	74LS240	
	TI	SN74LS240	
DM74LS241	GoldStar	GD74LS241	
	Hitachi	HD74LS241	
	Motorola	SN74LS241	
	National	74LS241	
	SGS-Thomson		
		T74LS241	
		74LS241	
	Signetics	74LS241	
	TI	SN74LS241	
DM74LS243	Hitachi	HD74LS243	
	Motorola	SN74LS243	
	Signetics	74LS243	
	TI	SN74LS243	
DM74LS244	GoldStar	GD74LS244	
	Hitachi	HD74LS244	
	Motorola	SN74LS244	
	National	74LS244	
	SGS-Thomson		
		T74LS244	
		74LS244	
	Signetics	74LS244	
	TI	SN74LS244	
DM74LS245	GoldStar	GD74LS245	
	Hitachi	HD74LS245	
	Motorola	SN74LS245	
	National	74LS245	
	Rochester	74LS245	
	SGS-Thomson		
		T74LS245	
		74LS245	
	Signetics	74LS245	
	TI	SN74LS245	
DM74LS251	Hitachi	HD74LS251	
	Motorola	SN74LS251	
	National	74LS251	
	Rochester	74LS251	
	SGS-Thomson		
		T74LS251	
		74LS251	
	Signetics	74LS251	
	TI	SN74LS251	
DM74LS253	Hitachi	HD74LS253	
	Motorola	SN74LS253	
	National	74LS253	
	Rochester	74LS253	
	SGS-Thomson		
		T74LS253	
		74LS253	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
DM74LS253			(Cont'd)
	Signetics	74LS253	
	TI	SN74LS253	
DM74LS257B	GoldStar	GD74LS257A	
	Hitachi	HD74LS257	
	Motorola	SN74LS257A	
	National	74LS257	
	Rochester	74LS257	
	SGS-Thomson		
		T74LS257A	
		74LS257	
	Signetics	74LS257A	
	TI	SN74LS257B	
DM74LS258B	Hitachi	HD74LS258	
	Motorola	SN74LS258A	
	National	74LS258	
	Rochester	74LS258	
	SGS-Thomson		
		T74LS258A	
		74LS258	
	Signetics	74LS258A	
	TI	SN74LS258B	
DM74LS259	Hitachi	HD74LS259	
	Motorola	SN74LS259	
	National	74LS259	
	Rochester	74LS259	
	SGS-Thomson		
		T74LS259	
		74LS259	
	Signetics	74LS259	
	TI	SN74LS259B	
DM74LS26	Hitachi	HD74LS26	
	Motorola	SN74LS26	
	National	74LS26	
	Rochester	74LS26	
	SGS-Thomson		
		T74LS26A	
		74LS26	
	Signetics	74LS26	
	TI	SN74LS26	
DM74LS27	GoldStar	GD74LS27	
	Hitachi	HD74LS27	
	Motorola	SN74LS27	
	National	74LS27	
	Rochester	74LS27	
	SGS-Thomson		
		T74LS27	
		74LS27	
	Signetics	74LS27	
	TI	SN74LS27	
DM74LS279	Hitachi	HD74LS279	
	Motorola	SN74LS279	
	National	74LS279	
	Rochester	74LS279	
	SGS-Thomson		
		T74LS279	
		74LS279	
	TI	SN74LS279A	
DM74LS283	Hitachi	HD74LS283A	
	Motorola	SN74LS283	
	National	74LS283	
	SGS-Thomson		
		T74LS283	
		74LS283	
	Signetics	74LS283	
	TI	SN74LS283	
DM74LS290	Hitachi	HD74LS290	
	Motorola	SN74LS290	
	National	74LS290	
	Signetics	74LS290	
	TI	SN74LS290	
DM74LS293	Hitachi	HD74LS293	
	Motorola	SN74LS293	
	National	74LS293	
	SGS-Thomson		
		T74LS293	
		74LS293	
	Signetics	74LS293	
	TI	SN74LS293	
DM74LS30	GoldStar	GD74LS30	
	Hitachi	HD74LS30	
	Motorola	SN74LS30	
	National	74LS30	
	Rochester	74LS30	
	SGS-Thomson		
		T74LS30	
		74LS30	
	Signetics	74LS30	
	TI	SN74LS30	
DM74LS32	GoldStar	GD74LS32	
	Hitachi	HD74LS32	
	Motorola	SN74LS32	
	National	74LS32	
	Rochester	74LS32	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
DM74LS32			(Cont'd)
	SGS-Thomson		
		T74LS32	
		74LS32	
	Signetics	74LS32	
	TI	SN74LS32	
DM74LS352	Motorola	SN74LS352	
	National	74LS352	
	SGS-Thomson		
		T74LS352	
		74LS352	
	Signetics	74LS352	
	TI	SN74LS352	
DM74LS365A	Hitachi	HD74LS365A	
	Motorola	SN74LS365A	
	National	74LS365	
	Rochester	74LS365	
	SGS-Thomson		
		T74LS365A	
		74LS365A	
	Signetics	74LS365A	
	TI	SN74LS365A	
DM74LS366A	Hitachi	HD74LS366A	
	Motorola	SN74LS366A	
	National	74LS366	
	SGS-Thomson		
		T74LS366A	
		74LS366A	
	Signetics	74LS366A	
	TI	SN74LS366A	
DM74LS367A	GoldStar	GD74LS367A	
	Hitachi	HD74LS367A	
	Motorola	SN74LS367A	
	National	74LS367	
	Rochester	74LS367	
	SGS-Thomson		
		T74LS367A	
		74LS367A	
	Signetics	74LS367A	
	TI	SN74LS367A	
DM74LS368A	Hitachi	HD74LS368A	
	Motorola	SN74LS368A	
	National	74LS368	
	Rochester	74LS368	
	SGS-Thomson		
		T74LS368A	
		74LS368A	
	Signetics	74LS368A	
	TI	SN74LS368A	
DM74LS37	Hitachi	HD74LS37	
	Motorola	SN74LS37	
	National	74LS37	
	Rochester	74LS37	
	SGS-Thomson		
		T74LS37	
		74LS37	
	Signetics	74LS37	
	TI	SN74LS37	
DM74LS373	GoldStar	GD74LS373	
	Hitachi	HD74LS373	
	Motorola	SN74LS373	
	National	74LS373	
	SGS-Thomson		
		T74LS373	
		74LS373	
	Signetics	74LS373	
	TI	SN74LS373	
DM74LS374	GoldStar	GD74LS374	
	Hitachi	HD74LS374	
	Motorola	SN74LS374	
	National	74LS374	
	SGS-Thomson		
		T74LS374	
		74LS374	
	Signetics	74LS374	
	TI	SN74LS374	
DM74LS38	Hitachi	HD74LS38	
	Motorola	SN74LS38	
	National	74LS38	
	Rochester	74LS38	
	SGS-Thomson		
		T74LS38	
		74LS38	
	Signetics	74LS38	
	TI	SN74LS38	
DM74LS390	Hitachi	HD74LS390	
	Motorola	SN74LS390	
	SGS-Thomson		
		T74LS390	
		74LS390	
	Signetics	74LS390	
	TI	SN74LS390	
DM74LS393	GoldStar	GD74LS393	
	Hitachi	HD74LS393	
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
DM74LS393			(Cont'd)
	Motorola	SN74LS393	
	National	74LS393	
	SGS-Thomson		
		T74LS393	
		74LS393	
	Signetics	74LS393	
	TI	SN74LS393	
DM74LS42	Hitachi	HD74LS42	
	Motorola	SN74LS42	
	National	74LS42	
	Rochester	74LS42	
	SGS-Thomson		
		T74LS42	
		74LS42	
	Signetics	74LS42	
	TI	SN74LS42	
DM74LS461	AMD	SN74LS461	
DM74LS471	AMD	63S281	
	Fujitsu	MB7118	
	Signetics	82LS135	
DM74LS51	Hitachi	HD74LS51	
	Motorola	SN74LS51	
	National	74LS51	
	Rochester	74LS51	
	SGS-Thomson		
		T74LS51	
		74LS51	
	Signetics	74LS51	
	TI	SN74LS51	
DM74LS670	GoldStar	GD74LS670	
	Motorola	SN74LS670	
	National	74LS670	
	Rochester	74LS670	
	SGS-Thomson		
		T74LS670	
		74LS670	
	Signetics	74LS670	
	TI	SN74LS670	
DM74LS73A	Hitachi	HD74LS73A	
	Motorola	SN74LS73A	
	Signetics	74LS73	
	TI	SN74LS73A	
DM74LS74	GoldStar	GD74LS74A	
	Hitachi	HD74LS74A	
	Motorola	SN74LS74A	
	National	74LS74	
	Rochester	74LS74	
	SGS-Thomson		
		T74LS74A	
		74LS74	
	Signetics	74LS74A	
	TI	SN74LS74A	
DM74LS75	GoldStar	GD74LS75	
	Hitachi	HD74LS75	
	Motorola	SN74LS75	
	Rochester	74LS75	
	Signetics	74LS75	
	TI	SN74LS75	
DM74LS83A	Hitachi	HD74LS83A	
	Motorola	SN74LS83A	
	National	74LS83	
	Rochester	74LS83	
	SGS-Thomson		
		T74LS83A	
		74LS83A	
	Signetics	74LS83A	
	TI	SN74LS83A	
DM74LS85	Hitachi	HD74LS85	
	Motorola	SN74LS85	
	National	74LS85	
	Rochester	74LS85	
	Signetics	74LS85	
	TI	SN74LS85	
DM74LS86	GoldStar	GD74LS86	
	Hitachi	HD74LS86	
	Motorola	SN74LS86	
	National	74LS86	
	Rochester	74LS86	
	SGS-Thomson		
		T74LS86	
		74LS86	
	Signetics	74LS86	
	TI	SN74LS86A	
DM74LS90	Hitachi	HD74LS90	
	Motorola	SN74LS90	
	Rochester	74LS90	
	SGS-Thomson		
		74LS90	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
DM74LS90			(Cont'd)
	Signetics	74LS90	
	TI	SN74LS90	
DM74LS93	GoldStar	GD74LS93	
	Hitachi	HD74LS93	
	Motorola	SN74LS93	
	Rochester	74LS93	
	SGS-Thomson		
		74LS93	
	Signetics	74LS93	
	TI	SN74LS93	
♦ DM74L72	Rochester	54L72	
♦ DM74L73	Rochester	54L73	
DM74S00	GoldStar	GD74S00	
	National	74S00	
	Signetics	74S00	
	TI	SN74S00	
DM74S02	National	74S02	
	Signetics	74S02	
	TI	SN74S02	
DM74S03	National	74S03	
	Rochester	74S03	
	Signetics	74S03	
	TI	SN74S03	
DM74S04	GoldStar	GD74S04	
	National	74S04	
	Rochester	74S04	
	Signetics	74S04	
	TI	SN74S04	
DM74S05	National	74S05	
	Rochester	74S05	
	Signetics	74S05	
	TI	SN74S05	
DM74S08	GoldStar	GD74S08	
	National	74S08	
	Signetics	74S08	
	TI	SN74S08	
DM74S09	Rochester	74S09	
	TI	SN74S09	
DM74S10	National	74S10	
	Signetics	74S10	
	TI	SN74S10	
DM74S11	National	74S11	
	Rochester	74S11	
	Signetics	74S11	
	TI	SN74S11	
DM74S112	GoldStar	GD74S112	
	National	74S112	
	Rochester	74S112	
	Signetics	74S112	
	TI	SN74S112	
DM74S113	Rochester	74S113	
	TI	SN74S113	
DM74S133	National	74S133	
	Rochester	74S133	
	Signetics	74S133	
	TI	SN74S133	
DM74S138	National	74S138	
	Signetics	74S138	
	TI	SN74S138	
DM74S139	National	74S139	
	Rochester	74S139	
	Signetics	74S139	
	TI	SN74S139	
DM74S140	Signetics	74S140	
	TI	SN74S140	
DM74S151	National	74S151	
	Rochester	74S151	
	Signetics	74S151	
	TI	SN74S151	
DM74S153	National	74S153	
	Rochester	74S153	
	Signetics	74S153	
	TI	SN74S153	
DM74S157	National	74S157	
	Rochester	74S157	
	Signetics	74S157	
	TI	SN74S157	
DM74S158	National	74S158	
	Rochester	74S158	
	Signetics	74S158	
	TI	SN74S158	
DM74S174	GoldStar	GD74S174	
	National	74S174	
	Rochester	74S174	
	Signetics	74S174	
	TI	SN74S174	
DM74S175	National	74S175	
	Signetics	74S175	
	TI	SN74S175	
DM74S182	TI	SN74S182	

Manufacturer Device	Replacement Source	Device	IC Master Page
DM74S188	Fujitsu	MB7111	
	National	DM74S188A	
	Signetics	82S23	
DM74S188A	National	DM74S188	
DM74S189	AMD	AM27LS03	
		AM27S03	
		SN74S189	
	Cypress	CY27LS03	
		CY27S03	
		CY7C189	
		CY74S189	
		CY74S189-35C	
	National	DM74S189A	
	Signetics	N74S189	
		74S189	
DM74S189A	Cypress	CY74S189-35C	
	National	DM74S189	
	Signetics	74S189	
DM74S194	National	74S194	
	Rochester	74S194	
	TI	SN74S194	
DM74S195	Signetics	74S195	
	TI	SN74S195	
DM74S20	National	74S20	
	Rochester	74S20	
	Signetics	74S20	
	TI	SN74S20	
DM74S240	AMD	AM74S240	
	Signetics	74S240	
	TI	SN74S240	
DM74S241	AMD	AM74S241	
	Signetics	74S241	
	TI	SN74S241	
DM74S251	Signetics	74S251	
	TI	SN74S251	
DM74S253	National	74S253	
	Signetics	74S253	
	TI	SN74S253	
DM74S257	National	74S257	
	Rochester	74S257	
	Signetics	74S257	
	TI	SN74S257	
DM74S258	National	74S258	
	Rochester	74S258	
	Signetics	74S258	
	TI	SN74S258	
DM74S280	Signetics	74S280	
	TI	SN74S280	
DM74S287	AMD	AM27S21	
	Fujitsu	MB7114	
DM74S288	AMD	AM27S19	
	Fujitsu	MB7112	
	National	DM74S288A	
	Signetics	82S123	
DM74S288A	National	DM74S288	
DM74S289	AMD	AM27S02	
		SN74S289	
	Cypress	CY27LS03	
		CY27S03	
		CY7C189	
		CY74S189	
	Rochester	74S289	
	Signetics	N3101	
		N82S25	
DM74S299	GoldStar	GD74S299	
	TI	SN74S299	
DM74S30	National	74S30	
	Rochester	74S30	
	TI	SN74S30	
DM74S32	GoldStar	GD74S32	
	National	74S32	
	Signetics	74S32	
	TI	SN74S32	
DM74S373	Signetics	74S373	
	TI	SN74S373	
DM74S374	AMD	AM74S374	
	GoldStar	GD74S374	
	Signetics	74S374	
	TI	SN74S374	
DM74S387	Fujitsu	MB7113	
	Signetics	82S126	
DM74S40	National	74S40	
	Signetics	74S40	
	TI	SN74S40	
DM74S472	AMD	AM27S29	
	Fujitsu	MB7124	
	National	DM74S472A	
		DM74S472B	
	Signetics	82S147	
DM74S472A	National	DM74S472	
		DM74S472B	
DM74S472B	National	DM74S472	
		DM74S472A	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
DM74S473	Fujitsu	MB7123	
	National	DM74S473A	
DM74S473A	National	DM74S473	
DM74S474	AMD	AM27S31	
	National	DM74S474A	
	Signetics	82S141	
DM74S474A	National	DM74S474	
DM74S475	National	DM74S475A	
DM74S475A	National	DM74S475	
DM74S51	GoldStar	GD74S51	
	National	74S51	
	Signetics	74S51	
	TI	SN74S51	
DM74S570	Fujitsu	MB7115	
	National	DM74S570A	
	Signetics	82S130	
DM74S570A	National	DM74S570	
DM74S571	AMD	AM27S13	
	Fujitsu	MB7116	
	National	DM74S571A	
		DM74S571B	
	Signetics	82S131	
DM74S571A	National	DM74S571	
		DM74S571B	
DM74S571B	National	DM74S571	
		DM74S571A	
DM74S572	Fujitsu	MB7121	
	National	DM74S572A	
DM74S572A	National	DM74S572	
DM74S573	AMD	AM27S33	
	Fujitsu	MB7122	
	National	DM74S573A	
		DM74S573B	
	Signetics	82S137	
DM74S573A	National	DM74S573	
		DM74S573B	
DM74S573B	National	DM74S573	
		DM74S573A	
DM74S64	National	74S64	
	Rochester	74S64	
	Signetics	74S64	
	TI	SN74S64	
DM74S74	GoldStar	GD74S74	
	National	74S74	
	Rochester	74S74	
	Signetics	74S74	
	TI	SN74S74	
DM74S86	National	74S86	
	Rochester	74S86	
	Signetics	74S86	
	TI	SN74S86	
♦ DM7400	Lansdale	ML7400	
	Rochester	7400	
♦ DM7401	Lansdale	ML701	
		ML7401	
		SL7401	
♦ DM7401	Rochester	7401	
♦ DM7402	Lansdale	ML7402	
		SL7402	
♦ DM7402	Rochester	7402	
♦ DM7403	Lansdale	ML7403	
	Rochester	7403	
♦ DM7404	Lansdale	ML7404	
	Rochester	7504	
♦ DM7405	Lansdale	ML7405	
	Rochester	7405	
♦ DM7406	Lansdale	ML7406	
	Rochester	7406	
♦ DM7407	Lansdale	ML7407	
	Rochester	7407	
♦ DM7408	Lansdale	ML7408	
	Rochester	7408	
♦ DM7409	Lansdale	ML7409	
		SL7409	
♦ DM7409	Rochester	7409	
♦ DM7410	Lansdale	ML7410	
	Rochester	7410	
♦ DM74107	Lansdale	ML74107	
♦ DM7411	Rochester	7411	
♦ DM74121	Lansdale	ML74121	
	Rochester	74121	
♦ DM74122	Rochester	74122	
♦ DM74123	Lansdale	ML74123	
	Rochester	74123	
♦ DM74125	Rochester	74125	
♦ DM74126	Rochester	74126	
♦ DM7413	Lansdale	ML7413	
	Rochester	7413	
♦ DM74132	Lansdale	ML74132	
	Rochester	74132	
♦ DM7414	Rochester	7414	
♦ DM74141	Lansdale	ML74141	
	Rochester	74141	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ DM74145	Lansdale	ML74145	
	Rochester	74145	
♦ DM74148	Rochester	8618	
♦ DM74150	Lansdale	ML74150	
	Rochester	74150	
♦ DM74151	Lansdale	ML74151	
	Rochester	74151	
♦ DM74153	Lansdale	ML74153	
	Rochester	74153	
♦ DM74154	Lansdale	ML74154	
♦ DM74155	Lansdale	ML74155	
	Rochester	74155	
♦ DM74156	Lansdale	ML74156	
	Rochester	74156	
♦ DM74157	Rochester	74157	
♦ DM7416	Lansdale	ML7416	
	Rochester	7416	
♦ DM74160	Lansdale	ML74160	
	Rochester	74160	
♦ DM74161	Rochester	74161	
♦ DM74162	Lansdale	ML74162	
	Rochester	74162	
♦ DM74163	Lansdale	ML74163	
	Rochester	74163	
♦ DM74164	Lansdale	ML74164	
	Rochester	74164	
♦ DM74165	Lansdale	ML74165	
	Rochester	74165	
♦ DM74166	Lansdale	ML74166	
	Rochester	74166	
♦ DM7417	Lansdale	ML7417	
	Rochester	7417	
♦ DM74173	Rochester	74173	
♦ DM74174	Lansdale	ML74174	
	Rochester	74174	
♦ DM74175	Lansdale	ML74175	
	Rochester	74175	
♦ DM74176	Rochester	74176	
♦ DM74177	Rochester	74177	
♦ DM74180	Lansdale	ML74180	
	Rochester	74180	
♦ DM74181	Lansdale	ML74181	
	Rochester	8181	
♦ DM74182	Lansdale	ML74182	
		SL74182	
♦ DM74182	Rochester	9342	
♦ DM74184	Rochester	74184	
♦ DM74185	Rochester	74185	
♦ DM74190	Lansdale	ML74190	
	Rochester	74190	
♦ DM74191	Lansdale	ML74191	
	Rochester	74191	
♦ DM74192	Lansdale	ML74192	
	Rochester	74192	
♦ DM74193	Lansdale	ML74193	
	Rochester	74193	
♦ DM74194	Rochester	74194	
♦ DM74195	Lansdale	ML74195	
	Rochester	74195	
♦ DM74196	Rochester	74196	
♦ DM74197	Rochester	74197	
♦ DM74198	Lansdale	ML74198	
		SL74198	
♦ DM74198	Rochester	74198	
♦ DM74199	Lansdale	ML74199	
	Rochester	74199	
♦ DM7420	Lansdale	ML7420	
	Rochester	7420	
♦ DM7421	Rochester	7421	
♦ DM7425	Lansdale	ML7425	
	Rochester	7425	
♦ DM7426	Lansdale	ML7426	
	Rochester	7426	
♦ DM7427	Lansdale	ML7427	
♦ DM74279	Rochester	74279	
♦ DM74283	Rochester	74283	
♦ DM7430	Lansdale	ML7430	
	Rochester	7430	
♦ DM7432	Rochester	7432	
♦ DM7437	Lansdale	ML7437	
	Rochester	7437	
♦ DM7438	Lansdale	ML7438	
	Rochester	7438	
♦ DM7439	Rochester	7439	
♦ DM7440	Lansdale	ML7440	
	Rochester	7440	
♦ DM7441	Lansdale	ML7441	
♦ DM7442	Lansdale	ML7442	
	Rochester	7442	
♦ DM7445	Lansdale	ML7445	
	Rochester	7445	
♦ DM7446	Rochester	7446	
♦ DM7447	Lansdale	ML7447	
		SL7447	
♦ DM7447	Rochester	7447	
♦ DM7448	Lansdale	ML7448	
		SL7448	
♦ DM7448	Rochester	7448	
♦ DM7450	Lansdale	ML7450	
	Rochester	7450	
♦ DM7451	Lansdale	ML7451	
	Rochester	7451	
♦ DM7453	Lansdale	ML7453	
		SL7453	
♦ DM7453	Rochester	7453	
♦ DM7454	Lansdale	ML7454	
		SL7454	
♦ DM7454	Rochester	7454	
♦ DM7460	Lansdale	ML7460	
		SL7460	
♦ DM7460	Rochester	7460	
♦ DM7470	Lansdale	ML7470	
		SL7470	
♦ DM7470	Rochester	7470	
♦ DM7472	Lansdale	ML7472	
		SL7472	
♦ DM7472	Rochester	7472	
♦ DM7473	Lansdale	ML7473	
	Rochester	7473	
♦ DM7474	Lansdale	ML7474	
	Rochester	7474	
♦ DM7475	Lansdale	ML7475	
		SL8275	
♦ DM7475	Rochester	7475	
♦ DM7476	Lansdale	ML7476	
	Rochester	7476	
♦ DM7483	Lansdale	ML7483	
	Rochester	7483	
♦ DM7485	Rochester	7485	
♦ DM7486	Lansdale	ML7486	
	Rochester	7486	
♦ DM7489	Rochester	7489	
♦ DM7490	Lansdale	ML7490	
♦ DM7491	Lansdale	ML7491	
	Rochester	7491	
♦ DM7492	Lansdale	ML7492	
	Rochester	7492	
♦ DM7493	Lansdale	ML7493	
	Rochester	7493	
♦ DM7494	Rochester	7494	
♦ DM7495	Lansdale	ML7495	
	Rochester	7495	
♦ DM7496	Lansdale	ML7496	
	Rochester	7496	
♦ DM75L63	Rochester	54L193	
♦ DM75L93	Rochester	54L93	
♦ DM75L95	Rochester	54L95	
DM75S07	AMD	AM27LS07	
	Cypress	CY27S07	
		CY7C190	
♦ DM7544	Rochester	7544	
♦ DM7551	Lansdale	SL8T10	
♦ DM7556	Rochester	7556	
DM7590	Unitrode	PIC7511	
♦ DM76L90	Rochester	54L165	
♦ DM7603	Rochester	7603	
♦ DM7604	Rochester	7604	
♦ DM7605	Rochester	7605	
♦ DM7618	Rochester	7618	
DM77LS181	Cypress	CY7C282	
	Gould AMI	S25089	
DM77SR181	Cypress	CY7C235	
DM77SR25	Cypress	CY7C225	
DM77SR476	Cypress	CY7C225	
DM77ST476	Cypress	CY7C225	
DM77S181	Cypress	CY7C282	
	Gould AMI	S25089	
DM77S191	Cypress	CY7C292	
DM77S281	Cypress	CY7C281	
	Gould AMI	S25089	
DM77S291	Cypress	CY7C291	
DM77S321	Waferscale	WS57C43	
DM77S401	Cypress	CY7C401	
DM77S402	Cypress	CY7C402	
DM7822	Motorola	MC1489	
DM7837	Motorola	MC3437	
♦ DM8024	Rochester	9024	
DM81LS95	AMD	DM81LS95	
♦ DM8123	Rochester	8123	
♦ DM8130	Rochester	8130	
♦ DM8131	Rochester	8131	
♦ DM8136	Rochester	8136	
♦ DM8160	Rochester	8160	
♦ DM8181	Rochester	8181	
♦ DM8213	Lansdale	ML8311	
♦ DM8280	Lansdale	ML8280	
		SL8280	
♦ DM8281	Lansdale	ML8281	
		SL8281	
♦ DM8288	Lansdale	ML8288	
		SL8288	
♦ DM8290	Lansdale	ML8290	
		SL8290	
♦ DM8291	Lansdale	ML8291	
		SL8291	
♦ DM8300	Lansdale	ML83	
♦ DM8301	Lansdale	ML8301	
♦ DM8309	Lansdale	ML8309	
♦ DM8310	Lansdale	ML8310	
	Rochester	9310	
♦ DM8311	Lansdale	ML8311	
♦ DM8312	Lansdale	ML8312	
♦ DM8316	Lansdale	ML8316	
♦ DM8318	Lansdale	ML8318	
	Rochester	9318	
♦ DM8322	Lansdale	ML8322	
DM85S07	AMD	AM27S07	
	Cypress	CY27S07	
		CY7C128	
♦ DM8544	Rochester	8544	
♦ DM8560	Lansdale	ML74192	
♦ DM8563	Lansdale	ML74193	
♦ DM8570	Lansdale	ML74164	
♦ DM8600	Lansdale	ML83	
♦ DM8601	Lansdale	ML8601	
♦ DM8602	Lansdale	ML8602	
♦ DM8603	Rochester	2503	
		8603	
♦ DM8604	Rochester	2504	
		8604	
♦ DM8605	Rochester	2502	
		8605	
♦ DM8618	Rochester	8618	
DM87LS181	Cypress	CY7C282	
DM87SR181	AMD	AM27S37	
	Cypress	CY7C235	
	Fujitsu	MB7232	
DM87SR183	Fujitsu	MB7232	
DM87SR191	Fujitsu	MB7238	
	Waferscale	WS57C191	
DM87SR193	Fujitsu	MB7238	
	Waferscale	WS57C191	
DM87SR25	AMD	AM27S25	
	Cypress	CY7C225	
	Fujitsu	MB7226	
DM87SR27	AMD	AM27S27	
DM87SR476	AMD	AM27S25	
	Cypress	CY7C225	
DM87S181	AMD	AM27S181	
	Cypress	CY7C282	
	Fujitsu	MB7132	
	Gould AMI	S25089	
	Signetics	82S181	
DM87S185	AMD	AM27S185	
	Fujitsu	MB7128	
	Signetics	82S185	
DM87S191	AMD	AM27S191	
	Cypress	CY7C292	
	Fujitsu	MB71A38	
		MB7138	
	Signetics	82S191	
DM87S195	AMD	AM27S41	
	Fujitsu	MB7134	
	Signetics	82HS195	
DM87S281	AMD	AM27S281	
	Cypress	CY7C281	
	Gould AMI	S25089	
	Signetics	82S181	
DM87S291	AMD	AM27S291	
	Cypress	CY7C291	
	Signetics	82S191	
	Waferscale	WS57C291	
DM87S321	AMD	AM27S43	
	Fujitsu	MB7142	
	ICT	27CX321	
		27CX321C-45	
	Signetics	82HS321	
	Waferscale	WS57C43	
DM87S401	Cypress	CY7C401	
	GEC Plessey	MV66401	
DM87S402	Cypress	CY7C402	
	GEC Plessey	MV66401	
		MV66402	
DM87S421	ICT	27CX322	
		27CX322C-45	
DM87S625	Cypress	CY7C225	
DM8822	Motorola	MC1489	
DM8837	Motorola	MC3437	
♦ DM8846	Lansdale	ML7446	
♦ DM8850	Lansdale	ML9601	
♦ DM8851	Rochester	9602	
DM8887	Exar	XR6118	
♦ DM9002	Lansdale	ML7400	
	Rochester	9002	
♦ DM9003	Lansdale	ML7410	
	Rochester	9003	
♦ DM9004	Lansdale	ML7420	
	Rochester	9004	
♦ DM9005	Lansdale	ML7450	
	Rochester	9005	
♦ DM9006	Lansdale	ML74H60	
		SL75H60	
♦ DM9006	Rochester	9006	
♦ DM9008	Lansdale	ML74H53	
		SL74H53	
♦ DM9008	Rochester	9008	
♦ DM9009	Lansdale	ML7440	
	Rochester	9009	
♦ DM9012	Lansdale	ML7403	
	Rochester	9012	
♦ DM9016	Lansdale	ML7404	
	Rochester	9016	
♦ DM9024	Rochester	7124	
		9024	
♦ DM9093	Lansdale	ML853	
	Rochester	9093	
♦ DM9094	Lansdale	ML856	
	Rochester	9094	
♦ DM9097	Lansdale	ML855	
	Rochester	9097	
♦ DM9099	Lansdale	ML852	
	Rochester	9099	
♦ DM9157	Rochester	9157	
♦ DM9158	Rochester	9158	
♦ DM930	Lansdale	ML830	
	Rochester	930	
♦ DM9300	Lansdale	ML9300	
♦ DM9301	Lansdale	ML8252	
		ML9301	
♦ DM9309	Lansdale	ML9309	
♦ DM9310	Lansdale	ML9310	
	Rochester	9310	
♦ DM9311	Lansdale	ML9311	
♦ DM9312	Lansdale	ML9312	
		SL8230	
♦ DM9316	Lansdale	ML9316	
♦ DM9318	Lansdale	ML9318	
	Rochester	9318	
♦ DM932	Lansdale	ML832	
	Rochester	932	
♦ DM9322	Lansdale	ML9322	
♦ DM933	Lansdale	ML833	
	Rochester	933	
♦ DM935	Lansdale	ML840	
	Rochester	9135	
		935	
♦ DM936	Lansdale	ML836	
	Rochester	936	
♦ DM937	Lansdale	ML837	
	Rochester	937	
♦ DM944	Lansdale	ML844	
	Rochester	944	
♦ DM945	Lansdale	ML845	
	Rochester	945	
♦ DM946	Lansdale	ML846	
	Rochester	946	
♦ DM948	Lansdale	ML848	
	Rochester	948	
♦ DM949	Lansdale	ML849	
	Rochester	949	
♦ DM951	Lansdale	ML851	
♦ DM957	Lansdale	ML857	
♦ DM958	Lansdale	ML858	
♦ DM9601	Lansdale	ML9601	
♦ DM9602	Lansdale	ML9602	
♦ DM961	Lansdale	ML861	
	Rochester	961	
♦ DM962	Lansdale	ML862	
	Rochester	962	
♦ DM963	Lansdale	ML863	
	Rochester	963	
DN6835	Allegro Micro	UGN3501	
DN6836	Allegro Micro	UGN3501	
DN6837	Allegro Micro	UGN3119	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
DN6838	Allegro Micro	UGN3130	
DN6839	Allegro Micro	UGN3119	
DP5380	LogicDev	L5380	
♦ DP8212	**Lansdale**	**IL8212**	**(3549)**
	AMD	D8212	
♦ DP8216	**Lansdale**	**IL8216**	**(3549)**
	Motorola	MC8T26	
♦ DP8224	**Lansdale**	**IL8224**	**(3549)**
♦ DP8226	**Lansdale**	**IL8226**	**(3549)**
	Motorola	MC8T28	
♦ DP8228	**Lansdale**	**IL8228**	**(3549)**
	Micro-C	8228	
DP8303	AMD	AM8303	
DP8304	AMD	DP8304	
DP8307	Micro-C	8307	
DP8340	Micro-C	8340	
	SMC	COM9064	
DP8341	Micro-C	8341	
	SMC	COM9064	
DP8344	SMC	COM52C50	
		COM9064	
DP8350	SMC	CRT5037	
DP8390	Micro-C	8390	
DP8392	Crystal	CS83C92	
	Fujitsu	MBL8392	
DP8392A	Signetics	NE8392AN	
DP84C21	Samsung	KS84C21	
DP84C22	Samsung	KS84C22	
DP8464	Krueger	8464	
	MicroLinear	ML8464	
DP8466	Micro-C	8466	
DP8469	Hitachi	HD153013	
DP8473	Krueger	8473	
DP8491	Hitachi	HD153030F	
DP8515	STC	SLS6016	
DS0026	Harris	ICL7667	
	Micrel	**MIC426**	**(3574)**
		MIC4426	
DS14C88	Samsung	KS5788	
DS1488	Motorola	MC1488	
	Samsung	MC1488	
	SGS-Thomson		
		MC1488	
	Signetics	MC1488	
DS1489	Motorola	MC1489	
	SGS-Thomson		
		MC1489	
	Signetics	MC1489	
DS25C03	Samsung	KS25C03	
DS26LS31	AMD	AM26LS31	
	Motorola	AM26LS31	
	Signetics	AM26LS31	
DS26LS32	AMD	AM26LS32	
	Motorola	AM26LS32	
	Signetics	AM26LS32	
DS26LS33	AMD	AM26LS33	
DS26S10	AMD	AM26S10	
	Motorola	MC26S10	
DS26S11	AMD	AM26S11	
DS3046	GEC Plessey	SL3046	
DS3145	GEC Plessey	SL3145	
DS3486	Motorola	MC3486	
DS3487	Motorola	MC3487	
DS3611	Allegro Micro	UDN3611	
DS3612	Allegro Micro	UDN3612	
	Motorola	MC1472	
DS3613	Allegro Micro	UDN3613	
DS3614	Allegro Micro	UDN3614	
DS3632	Motorola	MC1472	
DS3650	Motorola	MC3450	
DS3651	Motorola	MC3430	
DS3652	Motorola	MC3452	
DS3653	Motorola	MC3432	
DS3691	AMD	AM26LS30	
	Motorola	AM26LS30	
	Signetics	AM26LS30	
DS55107	Motorola	MC75107	
DS55110	Motorola	MC75S110	
DS55325	SiliconG	SG55325	
DS55451	SiliconG	SG55451	
DS55452	SiliconG	SG55452	
DS55453	SiliconG	SG55453	
DS55454	SiliconG	SG55454	
DS55461	SiliconG	SG55461	

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Manufacturer Device	Replacement Source	Device	IC Master Page
DS55462	SiliconG	SG55462	
DS55463	SiliconG	SG55463	
DS55464	SiliconG	SG55464	
DS55470	SiliconG	SG55470	
DS55471	SiliconG	SG55471	
DS75107	Motorola	MC75107	
DS75108	Motorola	MC75108	
DS75110	Motorola	MC75S110	
DS75207	Motorola	MC75107	
DS75208	Motorola	MC75108	
DS7837	Motorola	MC3437	
DS8614	GEC Plessey	SP8789	
DS8615	GEC Plessey	SP8797	
DS8616	GEC Plessey	SP8793	
		SP8795	
DS8617	GEC Plessey	SP8718	
DS8628	GEC Plessey	SP8658	
DS8833	Motorola	MC8T28	
DS8834	Motorola	MC8T26	
DS8835	Motorola	MC8T26	
DS8837	Motorola	MC3437	
DS8839	Motorola	MC8T28	
DS8922	Motorola	MC34051	
DS8923	Motorola	MC34050	
DS9614	Motorola	MC75S110	
DS9615	Motorola	MC75108	
DS9627	Motorola	MC1489	
DS9637	Motorola	MC3486	
DS9638	Motorola	MC3487	
FE2010	Micro-C	2010	
FE3020	Micro-C	3020	
FE3030	Micro-C	3030	
FPQ2222	Allegro Micro	TPQ2222	
FPQ2907	Allegro Micro	TPQ2907	
FPQ3724	Allegro Micro	TPQ3724	
FPQ3725	Allegro Micro	TPQ3725	
FSA141	SiliconG	SG5770	
FSA1411	SiliconG	SG5768	
FSA2002	SiliconG	SG5768	
FSA2003	SiliconG	SG5770	
FSA2500	SiliconG	SG5772	
FSA2501	SiliconG	SG5772	
FSA2503	SiliconG	SG5774	
FSA2504	SiliconG	SG5774	
FSA2509	SiliconG	SG5774	
FSA2510	SiliconG	SG5772	
FSA2563	SiliconG	SG5768	
FSA2564	SiliconG	SG5770	
FSA2565	SiliconG	SG25768	
FSA2566	SiliconG	SG25770	
FSA2619	Allegro Micro	TND908	
FSA2719	Allegro Micro	TND903	
F10E422	Cypress	CY10E422	
F10E474	Cypress	CY10E474	
F100E422	Cypress	CY100E422	
F100E474	Cypress	CY100E474	
F16K	Krueger	4116-120	
		4116-150	
		4116-200	
F16L8	Cypress	CYPALC16L8	
F16P8	Cypress	CYPALC16L8	
F16RP4	Cypress	CYPALC16R4	
F16RP6	Cypress	CYPALC16R6	
F16RP8	Cypress	CYPALC16R8	
F16R4	Cypress	CYPALC16R4	
F16R6	Cypress	CYPALC16R6	
F16R8	Cypress	CYPALC16R8	
F1600	Cypress	CY7C187	
F1601	Cypress	CY7C187	
F1620	Cypress	CY7C164	
F1621	Cypress	CY7C164	
F1622	Cypress	CY7C166	
F2114	**Krueger**	**2114-200**	**(3548)**
F21144	**Krueger**	**2114-150**	**(3548)**
		2114-450	**(3548)**
F2708	Micro-C	2708	
F2732	**Krueger**	**2732-250**	**(3548)**
		2732-300	**(3548)**
		2732-350	**(3548)**
		2732-450	**(3548)**
F3146	GEC Plessey	SL3046	
F3341	Cypress	CY3341	
	GEC Plessey	MJ2841	
F3486	SMC	COM5025	
F3564	Hughes	H23C64	
		H23C65	

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Manufacturer Device	Replacement Source	Device	IC Master Page
F3568	Hughes	H23C64	
		H23C65	
F3856	SMC	COM5025	
F4016	Unitrode	PIC7516	
F4066	Unitrode	PIC7516	
F4116	Krueger	4116-120	
		4116-150	
		4116-200	
F4702	SMC	COM5026	
		COM5046	
		COM8126	
		COM8146	
F47218	Hughes	H1822	
F54F189	Cypress	CY7C189	
F54F219	Cypress	CY7C190	
F54F413	Cypress	CY7C401	
F54S189	Cypress	CY54S189	
F68488	SMC	COM7210	
F6850	Micro-C	6850	
	SMC	COM8017	
F74AC1010	Cypress	CY7C510	
F74F189	Cypress	CY7C189	
F74F219	Cypress	CY7C190	
F74F413	Cypress	CY7C401	
F74LS189	Cypress	CY27LS03	
F74S189	Cypress	CY74S189	
F8804	GEC Plessey	MV8804	
F93L422	Cypress	CY93L422	
F93Z451	Cypress	CY7C282	
F93Z511	Cypress	CY7C292	
F93Z565	Cypress	CY7C264	
F93Z611	Cypress	CY7C291	
		CY7C292	
F93Z665	Cypress	CY7C264	
F93Z667	Cypress	CY7C261	
		CY7C263	
F93422	Cypress	CY93422	
F93475	Cypress	CY2149	
GAL16V8	AMD	PALCE16V8	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16V8	
GAL18V10	Lattice	GAL18V10	
GAL20V8	AMD	PALCE20V8	
	ICT	PEEL20CG10	
	Samsung	CPL20V8	
GAL22V10	**Gould AMI**	**PEEL22CV10**	**(3499)**
	Lattice	GAL22V10	
GAL26CV12	Lattice	GAL26CV12	
GAL6001	Lattice	GAL6001	
ICM7556	Harris	ICM7556	
IDM2901	AMD	AM29C01	
		AM2901	
	Micro-C	2901	
IDM2909	AMD	AM2909	
IDM2910	AMD	AM29C10	
		AM2910	
IDM29705	Micro-C	29705	
INS1671	SMC	COM1671	
INS2651	Micro-C	2651	
	SMC	COM2651	
INS8039	Krueger	8039	
	Micro-C	8039	
INS8048	Micro-C	8048	
♦ INS8080	Lansdale	IL8080	
	Micro-C	8080	
INS8080A	**Krueger**	**8080A**	**(3548)**
INS8216	Motorola	MC8T26	
INS8226	Motorola	MC8T28	
INS8228	Micro-C	8228	
INS8243	Micro-C	8243	
INS8250	**Krueger**	**8250**	**(3548)**
	Micro-C	8250	
INS8251	Micro-C	8251	
	SMC	COM8251	
INS8253	Micro-C	8253	
INS8255	Krueger	8255	
LAS1506	SemTech	LAS1506	
LF11201	AD	SW201	
	Fujitsu	MB47201	
		MB47201P	
		MB47201PF	
	Harris	DG201	
	Siliconix	DG411	
LF11202	AD	SW202	
	Siliconix	DG412	
LF11333	AD	SW06	
LF11508	AD	MUX08	
	Burr-Brown	HI508	
LF11509	AD	MUX24	
	Burr-Brown	HI509	
LF12201	Siliconix	DG411	

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Manufacturer Device	Replacement Source	Device	IC Master Page
LF12202	Siliconix	DG412	
LF13201	AD	SW201	
	Fujitsu	MB47201	
		MB47201P	
		MB47201PF	
	Harris	DG201	
	Siliconix	DG411	
LF13202	AD	SW202	
	Siliconix	DG412	
LF13333	AD	SW06	
LF13508	AD	MUX08	
	Harris	DG508	
LF13509	AD	MUX24	
	Harris	DG509	
LF13741	Burr-Brown	OPA121	
LF155	AD	PM155	
	Burr-Brown	OPA156	
	LinearTech	LF1055	
		LF155	
		LT1055	
LF156	**AD**	**PM156**	**(3337)**
	Burr-Brown	OPA156	
	LinearTech	LF156	
		LT1056	
LF157	**AD**	**PM157**	**(3337)**
	Burr-Brown	OPA606	
	Harris	CA3130	
LF198	AD	SMP10	
		SMP11	
	Burr-Brown	SHC298	
	Harris	HA2420	
	LinearTech	LF198	
	Signetics	LF198	
		SE5537	
LF255	AD	PM155	
	SGS-Thomson		
		LF255	
LF256	**AD**	**PM156**	**(3337)**
	SGS-Thomson		
		LF256	
LF257	**AD**	**PM157**	**(3337)**
	SGS-Thomson		
		LF257	
LF298	AD	SMP10	
		SMP11	
LF347	AnalogSys	MA374	
	NJR	**NJM064**	**(3594)**
	SGS-Thomson		
		LF347	
	TI	TL074	
		TL084	
LF351	AD	OP15	
	AnalogSys	MA332	
		MA333	
		MA362	
	Burr-Brown	OPA156	
	Harris	CA3140	
	Motorola	MC34001	
	Samsung	KF351	
	SGS-Thomson		
		LF351	
	TI	TL071	
		TL081	
LF352	Motorola	LF355	
LF353	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
	Harris	CA3240	
	Motorola	MC34002	
	NJR	**NJM353**	**(3594)**
	Samsung	KF353	
	SGS-Thomson		
		LF353	
	TI	TL072	
		TL082	
LF355	AD	PM355	
	LinearTech	LF355	
		LT1055	
	Motorola	LF355	
	SGS-Thomson		
		LF355	
LF356	AD	PM356	
	AnalogSys	MA332	
		MA333	
		MA362	
	LinearTech	LF356	
		LT1022	
		LT1056	
	Motorola	LF356	
	SGS-Thomson		
		LF356	
LF357	AD	PM357	
	Harris	CA3130	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
LF357			(Cont'd)
	LinearTech	LT1022	
	Motorola	LF357	
	SGS-Thomson		
		LF357	
LF398	AD	SMP10	
		SMP11	
	Burr-Brown	SHC298	
	Harris	HA2425	
	LinearTech	LF398	
	Signetics	LF398	
		NE5537	
LF400	AD	OP42	
	Burr-Brown	OPA606	
	Harris	CA31001	
	LinearTech	LT1122	
LF411	AD	OP15	
	AnalogSys	MA332	
		MA333	
		MA362	
	Burr-Brown	OPA602	
	Harris	CA3140	
	TI	LF411	
		TL071	
		TL081	
LF412	AD	OP215	
	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
	Harris	CA3140	
		CA3240	
	LinearTech	LF412	
	TI	LF412	
		TL072	
		TL082	
LF441	AD	OP43	
	Burr-Brown	OPA121	
	TI	TL061	
LF442	Burr-Brown	OPA2111	
	Samsung	KF442	
	TI	TL062	
LF444	Burr-Brown	OPA404	
	TI	TL064	
LH000	Motorola	MC1776	
LH0002	AD	BUF03	
	Burr-Brown	**3553**	**(3410)**
	Elantec	ELH0002	
		EL2001	
		EL2002	
		EL2003	
	Harris	HA5002	
	LinearTech	LT1010	
LH0003	Burr-Brown	3507	
	Elantec	EHA2520	
LH0004	Burr-Brown	3580	
	Motorola	MC1436	
		MC1536	
LH0005	Burr-Brown	OPA605	
LH001	GEC Plessey	SL560	
LH002	GEC Plessey	SL560	
LH0021	Elantec	ELH0021	
LH0022	Burr-Brown	OPA121	
	Harris	CA3140	
LH0023	AD	SMP11	
	Burr-Brown	SHC298	
LH0024	Burr-Brown	3551	
	Elantec	EL2041	
LH0032	Burr-Brown	OPA605	
	Elantec	ELH0032	
		EL2006	
	Harris	HA2542	
LH0033	Burr-Brown	OPA633	
	Elantec	ELH0033	
		EL2004	
		EL2005	
		EL2031	
	Harris	HA5033	
LH0038	AD	AMP01	
LH0041	Elantec	ELH0041	
LH0042	Burr-Brown	OPA121	
	Harris	CA3140	
LH0043	AD	SMP10	
	Burr-Brown	SHC298	
LH0044	AD	OP77	
	Burr-Brown	OPA27	
	LinearTech	LT1001	
	TI	OP07	

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Manufacturer Device	Replacement Source	Device	IC Master Page
LH0052	Burr-Brown	OPA111	
LH0053	Burr-Brown	SHC5320	
		SHC85	**(3419)**
LH0062	AD	OP42	
LH0063	**Apex**	**WB05**	**(3378)**
	Burr-Brown	**3553**	**(3410)**
LH0070	GEC Plessey	ZNREF100	
	LinearTech	LH0070	
		LT1031	
	Raytheon	REF01	
LH0071	GEC Plessey	ZNREF100	
LH0084	**Burr-Brown**	**PGA200**	**(3413)**
		PGA201	
LH0086	Burr-Brown	PGA100	
		PGA102	**(3413)**
LH0101	**Apex**	**PA02**	**(3379)**
	Burr-Brown	OPA541	
LH042	Motorola	MC1776	
LH101	Motorola	MC1741	
LH201	Motorola	MC1741	
LH2011	Burr-Brown	OPA2111	
LH2101	Burr-Brown	OPA2111	
	Motorola	MC1537	
LH2101A	Raytheon	LH2101A	
LH2108	Burr-Brown	OPA2111	
	LinearTech	LH2108	
LH2111	Raytheon	LH2111	
LH2201	Motorola	MC1537	
LH2301	Motorola	MC1437	
LH4001	Burr-Brown	OPA633	
	Elantec	EL2001	
LH4002	Elantec	EL2002	
		EL2003	
LH4004	**Harris**	**HA5004**	**(3508)**
LH4161	**Harris**	**HA2544**	**(3508)**
LH740	AD	OP43	
	Burr-Brown	OPA121	
	Motorola	LF355	
LMC555	Harris	ICM7555	
	Signetics	ICM7555	
LMC660	Burr-Brown	OPA404	
	SGS-Thomson		
		TS27M4	
	TI	TLC274	
LMC668	Harris	ICL7650	
LMC7660	Harris	ICL7660	
LMF100	MicroLinear	ML2111	
LM10	**Gennum**	**GC810**	**(3495)**
	LinearTech	LM10	
♦ LM101	Rochester	LM101	
	AD	OP08	
		OP77	
♦ LM101	Burr-Brown	3510	
	LinearTech	LM101	
	Motorola	LM101	
	SGS-Thomson		
		LM101	
LM101A	Raytheon	LM101A	
LM102	AD	OP15	
LM103	SiliconG	SG103	
	TLSI	TL103	
LM104	SiliconG	SG104	
LM105	SiliconG	SG105	
♦ LM106	Rochester	LM106	
LM107	Burr-Brown	3510	
	LinearTech	LM107	
	Motorola	MC1741	
LM108	AD	PM1008	
	Burr-Brown	OPA21	
	LinearTech	LM108	
		LT1008	
LM108AH/883			
	TI	LM108ALB	
LM108AJ-8/883			
	TI	LM108AJGB	
LM108H/883	TI	LM108LB	
LM108J-8/883			
	TI	LM108JGB	
LM109	Motorola	LM109	
	SiliconG	SG109	
LM11	AD	OP97	
	AnalogSys	MA332	
		MA333	
		MA362	
	Burr-Brown	OPA21	
♦ LM111	Rochester	LM111	
	AD	PM111	
	LinearTech	LM111	
		LT1011	
		LT111	
♦ LM111	Motorola	LM111	
	Raytheon	LM111	

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Manufacturer Device	Replacement Source	Device	IC Master Page
LM112	AD	PM1012	
	Burr-Brown	3510	
	LinearTech	LT1012	
	Motorola	MC1556	
LM113	GEC Plessey	ZN423	
	Harris	ICL8069	
	LinearTech	LT1004	
	MicroPwr	MP5010	
LM113-1.2	GEC Plessey	REF12	
LM117	LinearTech	LM117	
		LT117	
	SGS-Thomson		
		LM117	
	SiliconG	SG117	
	Unitrode	UC117	
LM117K	SemTech	LLM117	
LM118	AD	OP42	
	Burr-Brown	3507	
	LinearTech	LM118	
		LT118	
	Motorola	MC1741	
LM118H/883	TI	LM118LB	
LM118J-8/883			
	TI	LM118JGB	
LM119	AD	PM119	
	LinearTech	LM119	
		LT119	
	SGS-Thomson		
		LM119	
LM12	**Apex**	**PA02**	**(3379)**
		PA07	**(3379)**
		PA10	**(3379)**
		PA12	**(3379)**
		PA61	**(3379)**
	Burr-Brown	OPA541	
LM120	Motorola	MC7905	
		MC7912	
		MC7915	
	SiliconG	SG120	
LM122	Motorola	MC1556	
LM123	LinearTech	LM123	
		LT1003	
		LT123	
	SiliconG	SG123	
LM124	AD	OP11	
		OP421	
	LinearTech	LT1014	
	Motorola	LM124	
	Raytheon	LM124	
	SGS-Thomson		
		LM124	
	Signetics	LM124	
LM124E/883	TI	LM124FKB	
LM124J	TI	LM124J	
LM124J/883	TI	LM124JB	
LM125	Motorola	MC1568	
LM126	Motorola	MC1568	
LM128	Motorola	MC1568	
LM129	LinearTech	LM129	
LM131	**Burr-Brown**	**VFC32**	**(3422)**
LM133	LinearTech	LT1033	
LM134	LinearTech	LM134	
LM136	AD	REF43	
	GEC Plessey	ZNREF025	
	LinearTech	LM136	
		LT1009	
		LT1029	
	Raytheon	REF-02	
LM136-5	GEC Plessey	ZNREF050	
LM13600	Exar	XR13600	
	Signetics	NE5517	
LM137	LinearTech	LM137	
		LT1033	
		LT137	
	SiliconG	SG137	
	Unitrode	UC137	
LM138	LinearTech	LM138	
		LT138	
	SiliconG	SG138	
LM138K	SemTech	LLM138	
LM139	AD	PM139	
	Raytheon	LM139	
	SGS-Thomson		
		LM139	
LM139AJ	TI	LM139AJ	
LM139AJ/883	TI	LM139AJB	
LM139J/883	TI	LM139JB	
LM140	SiliconG	SG140	
LM1408	Motorola	MC1408	
LM143	Burr-Brown	3580	
	Harris	HA2640	
	SiliconG	SG143	
LM144	Burr-Brown	3580	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LM1458	**AD**	**OP14**	**(3343)**
	AnalogSys	MA336	
		MA372	
	NJR	NJM1458	
	Panasonic	AN1458	
		AN6572	
	Samsung	MC1458	
	SGS-Thomson		
		MC1458	
	Signetics	MC1458	
	TI	MC1458	
LM146	Exar	XR146	
	SGS-Thomson		
		LM146	
LM148	**AD**	**PM148**	**(3342)**
	LinearTech	LT1014	
	Raytheon	LM148	
	SGS-Thomson		
		LM148	
LM148E/883	TI	LM148FKB	
LM148J/883	TI	LM148JB	
LM1489	Motorola	MC1489	
LM149	AD	OP471	
	Motorola	MC4741	
LM1496	Motorola	MC1496	
	Signetics	MC1496	
LM150	LinearTech	LM150	
		LT150	
	National	LM150	
	SiliconG	SG150	
	Unitrode	UC150	
LM150K	SemTech	LLM150	
LM1514	Elantec	ELH0101	
LM1524	Exar	XR1524	
	Harris	CA1524	
	LinearTech	LT1524	
		SG1524	
	SiliconG	SG1524	
	Unitrode	UC1524	
LM1558	**AD**	**OP14**	**(3343)**
	Burr-Brown	OPA2111	
	Signetics	MC1558	
LM1558H/883			
	TI	MC1558LB	
LM1558J	TI	MC1558JG	
LM1558J/883	TI	MC1558JGB	
LM1575K-ADJ	SemTech	SLM1575K-ADJ	
LM1575K-12	SemTech	SLM1575K-12	
LM1575K-15	SemTech	SLM1575K-15	
LM1575K-5.0	SemTech	SLM1575K-5.0	
LM158	**AD**	**OP14**	**(3343)**
		OP221	
	Burr-Brown	OPA2111	
	Elantec	EL2242	
	LinearTech	LT1013	
	Motorola	LM158	
	SGS-Thomson		
		LM158	
	Signetics	SE532	
LM158J	TI	LM158JG	
LM158J/883	TI	LM158JGB	
LM1596	Motorola	MC1596	
	Signetics	MC1596	
LM160	AD	CMP08	
	Elantec	EL2018	
		EL2252	
LM161	Elantec	EL2018	
		EL2252	
	Signetics	NE529	
		SE529	
LM163	AD	AMP01	
	Burr-Brown	**INA101**	**(3412)**
		INA102	**(3412)**
	Motorola	MC3450	
LM168-10	GEC Plessey	ZNREF100	
LM168-5	GEC Plessey	ZNREF050	
LM168-6	GEC Plessey	ZNREF062	
♦ LM170	Lansdale	ML1710	
LM171	Motorola	MC1590	
LM1819	Cherry Semi	CS289	
LM1822	Motorola	MC13010	
LM1849	Motorola	MC3484	
LM185	AD	REF43	
	Astec Semi	AS1004	
	LinearTech	LM185	
		LT1004	
		LT1034	
LM185-1.2	GEC Plessey	REF12	
LM185-2.5	GEC Plessey	REF25	
LM185-5	GEC Plessey	ZNREF050	
LM1851	Samsung	KA2803	
		KA2807	
LM1889	Motorola	MC1374	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
LM1894	Samsung	KA2273	
LM1900	Motorola	MC3301	
LM193	Elantec	EL2252	
	Harris	CA3290	
	Motorola	LM193	
	SGS-Thomson		
		LM193	
LM193H/883	TI	LM193LB	
LM194	AD	MAT02	
LM195	Unitrode	LM195	
		UC195	
LM196	LinearTech	LT1038	
LM1981	Motorola	MC13020	
LM199	LinearTech	LM199	
LM201	AD	PM1008	
	Motorola	LM201	
	SGS-Thomson		
		LM201	
	TI	LM201	
LM202	AD	OP15	
LM204	Motorola	MC78L05	
	SiliconG	SG204	
LM205	SiliconG	SG205	
LM207	AD	OP77	
	Motorola	MC1741	
	SiliconG	SG207	
	TI	LM207	
LM208	AD	PM1008	
	Motorola	MC78L08	
LM209	SiliconG	SG209	
LM210	AD	OP15	
LM211	AD	PM211	
	Motorola	LM211	
	Signetics	LM211	
LM2111	Allegro		
	Micro	ULN2111	
LM212	AD	PM1012	
	Motorola	MC1456	
LM216	Burr-Brown	OPA21	
LM217	SiliconG	SG217	
	TI	LM217	
	Unitrode	UC217	
LM218	AD	OP42	
	Motorola	MC1741	
	TI	LM218	
LM219	AD	PM219	
	Samsung	KA219	
	SGS-Thomson		
		LM219	
	Signetics	LM219	
LM220	Motorola	MC7905	
		MC7912	
		MC7915	
	SiliconG	SG220	
LM222	Motorola	MC1556	
LM223	SGS-Thomson		
		LM223	
LM224	AD	OP11	
		OP421	
	Motorola	LM224	
	Samsung	LM224	
	SGS-Thomson		
		LM224	
	Signetics	LM224	
		SA354	
	TI	LM224	
LM225	Motorola	MC1568	
LM226	Motorola	MC1568	
LM228	Motorola	MC1568	
LM234	LinearTech	LM234	
LM236	AD	REF03	
	GEC Plessey	ZNREF025	
LM237	SGS-Thomson		
		LM237	
	SiliconG	SG237	
	TI	LM237	
	Unitrode	UC237	
LM238	SGS-Thomson		
		LM238	
	SiliconG	SG238	
LM239	AD	PM139	
	Motorola	LM239	
	Samsung	LM239	
	SGS-Thomson		
		LM239	
	Signetics	LM239	
		LM239A	
LM240	Motorola	MC78L05	
		MC78L08	
		MC78L12	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LM240	Motorola		(Cont'd)
		MC78L15	
		MC78L18	
		MC78L24	
	SiliconG	SG240	
LM243	Motorola	MC1536	
LM246	SGS-Thomson		
		LM246	
LM248	Samsung	LM248	
	TI	LM248	
LM249	AD	OP471	
	Motorola	MC4741	
LM250	SiliconG	SG250	
	Unitrode	UC250	
LM2524	Harris	CA2524	
	Signetics	SG3524	
	SiliconG	SG2524	
LM2575	LinearTech	LT1076	
LM2575K-ADJ	SemTech	SLM2575K-ADJ	
LM2575K-12	SemTech	SLM2575K-12	
LM2575K-15	SemTech	SLM2575K-15	
LM2575K-5.0	SemTech	SLM2575K-5.0	
LM2575T-ADJ	SemTech	SLM2575T-ADJ	
LM2575T-12	SemTech	SLM2575T-12	
LM2575T-15	SemTech	SLM2575T-15	
LM2575T-5.0	SemTech	SLM2575T-5.0	
LM2577	LinearTech	LT1071	
LM258	AD	OP221	
	Motorola	LM258	
	Samsung	LM258	
	Signetics	LM258	
		SA532	
	TI	LM258	
LM260	AD	CMP08	
LM268-10	GEC Plessey	ZNREF100	
LM268-6	GEC Plessey	ZNREF062	
LM271	Motorola	MC1590	
LM285	AD	REF08	
	Astec Semi	AS1004	
LM285-1.2	GEC Plessey	REF12	
LM285-2.5	GEC Plessey	REF25	
LM2900	NJR	NJM2900	
	Raytheon	LM2900	
	TI	LM2900	
LM2901	AD	PM139	
		PM339	
	Harris	CA3290	
	Motorola	LM2901	
	Panasonic	AN6912	
	Samsung	LM2901	
	SGS-Thomson		
		LM2901	
	Signetics	LM2901	
	TI	LM2901	
		TLC339	
LM2902	AD	OP421	
	AnalogSys	MA374	
	Motorola	LM2902	
	NJR	NJM2902	
	Samsung	LM2902	
	SGS-Thomson		
		LM2902	
	Signetics	LM2902	
		SA534	
	TI	LM2902	
LM2903	Harris	CA3290	
	Motorola	LM2903	
	Panasonic	AN1393	
		AN6914	
	Samsung	LM2903	
	SGS-Thomson		
		LM2903	
	Signetics	LM2903	
LM2904	AD	OP221	
	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
	Motorola	LM2904	
	NJR	**NJM2904**	**(3594)**
	Samsung	LM2904	
	SGS-Thomson		
		LM2904	
	Signetics	LM2904	
	TI	LM2904	
LM2905	Motorola	MC1455	
LM2907N	Cherry Semi	CS2907N14	
LM2907N-8	Cherry Semi	CS2907N8	
LM29125	Cherry Semi	CS955	
LM2917N	Cherry Semi	CS2917N14	
LM2917N-8	Cherry Semi	CS2917N8	
LM2925	Cherry Semi	CS925	
LM293	Harris	CA3290	
	Motorola	LM293	

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Manufacturer Device	Replacement Source	Device	IC Master Page
LM293			(Cont'd)
	Samsung	LM293	
	SGS-Thomson		
		LM293	
	Signetics	LM293	
LM293A	Signetics	LM293	
LM2930	TI	LM2930	
LM2931	Motorola	LM2931	
	TI	LM2931	
LM2935	Cherry Semi	CS935	
	LinearTech	LT1005	
	SiliconG	SG29055	
LM2940	LinearTech	LT1086	
LM2985	Cherry Semi	CS965	
	SiliconG	SG29085	
LM301	AD	OP15	
		PM1008	
	AnalogSys	MA332	
		MA333	
		MA362	
	Motorola	LM301	
	Samsung	KA301	
	SGS-Thomson		
		LM301	
	TI	LM301	
LM301A	Raytheon	LM301A	
LM3026	Motorola	CA3054	
LM304	SiliconG	SG304	
LM3045	Allegro		
	Micro	ULS2045	
	GEC Plessey	LM3045	
		SL3046	
	Harris	CA3045	
	Motorola	MC3446	
LM3046	Allegro		
	Micro	ULN2046	
	GEC Plessey	SL3046	
	Harris	CA3046	
	Motorola	MC3446	
LM305	SiliconG	SG305	
LM3054	Allegro		
	Micro	ULN2054	
	Motorola	CA3054	
♦ LM306	Rochester	LM306	
LM3064	Motorola	MC13010	
♦ LM307	Rochester	LM307	
	AD	OP77	
	AnalogSys	MA332	
		MA333	
		MA362	
♦ LM307	Motorola	LM307	
	TI	LM307	
LM308	AD	PM1008	
	LinearTech	LM308	
		LT1008	
	SGS-Thomson		
		LM308	
LM3080	Harris	CA3080	
LM3086	Allegro		
	Micro	ULN2086	
	Harris	CA3086	
LM3089	Motorola	MC3356	
	Signetics	CA3089	
LM309	Motorola	LM309	
	SemTech	LAS1505	
	SiliconG	SG309	
LM310	AD	OP15	
♦ LM311	Rochester	LM311	
	AD	PM211	
	LinearTech	LM311	
		LT1011	
		LT311	
♦ LM311	Motorola	LM311	
	NJR	NJM311	
	Panasonic	AN1311	
	Samsung	LM311	
	SGS-Thomson		
		LM311	
	Signetics	LM311	
	TI	LM311	
LM312	AD	PM1012	
	Motorola	MC1456	
LM313	GEC Plessey	ZN423	
LM3146	GEC Plessey	SL3145	
	Harris	CA3146	
	Motorola	MC3346	
LM3146M	National	CA3146M	
LM317	LinearTech	LM317	
		LT317	
	Motorola	LM317	
	SemTech	LLM317	
	SGS-Thomson		
		LM317	
	SiliconG	SG317	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LM317			(Cont'd)
	TI	LM317	
		TL317	
	Unitrode	UC317	
LM318	AD	OP42	
	AnalogSys	MA332	
		MA362	
	LinearTech	LM318	
		LT318	
	Motorola	MC1741	
	NJR	**NJM318**	**(3594)**
	SGS-Thomson		
		LM318	
	TI	LM318	
LM3189	Motorola	MC3356	
LM319	AD	PM219	
		PM319	
	LinearTech	LM319	
		LT319	
	NJR	NJM319	
	Panasonic	AN1319	
	Samsung	KA319	
	SGS-Thomson		
		LM319	
	Signetics	LM319	
LM320	Motorola	MC79L05	
		MC79L12	
		MC79L15	
		MC7906	
		MC7908	
		MC7912	
		MC7918	
		MC7924	
	SemTech	LAS1805	
		LAS1812	
		LAS1815	
		LAS1818	
		LAS1824	
	SiliconG	SG320	
LM320K-5.2	SemTech	LAS1805.2	
LM322	Motorola	MC1455	
LM323	LinearTech	LM323	
		LT1003	
		LT323	
	SemTech	LAS1405	
		LLM323	
	SGS-Thomson		
		LM323	
	SiliconG	SG323	
LM323K	SemTech	LLM323K	
LM324	AD	OP11	
		OP421	
	AnalogSys	MA374	
	Fujitsu	MB3614	
	Motorola	LM324	
	NJR	NJM324	
	Panasonic	AN1324	
		AN6564	
	Raytheon	LM324	
	Samsung	LM324	
	SGS-Thomson		
		LM324	
	Signetics	LM324	
		LM324A	
	TI	LM324	
LM324A	Signetics	LM324A	
LM325	Motorola	MC1468	
	Raytheon	RC4195	
LM326	Motorola	MC1468	
	Raytheon	RC4195	
LM328	Motorola	MC1468	
LM329	LinearTech	LM329	
LM330	Motorola	MC7905	
		MC7915	
	TI	LM330	
LM3301	Motorola	MC3301	
LM3302	AD	PM139	
		PM339	
	Harris	CA3290	
	Motorola	MC3302	
	Samsung	LM3302	
	SGS-Thomson		
		MC3302	
	TI	LM3302	
LM3303	SGS-Thomson		
		MC3303	
LM331	**Burr-Brown**	**VFC32**	**(3422)**
	Samsung	KA331	
LM333	LinearTech	LT1033	
LM334	LinearTech	LM334	
	SGS-Thomson		
		LM334	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
LM335	Astec Semi	AS1004	
	SGS-Thomson	LM335	
LM336	AD	REF03	
	LinearTech	LM336	
		LT1009	
		LT1029	
	Samsung	KA336	
	SGS-Thomson	LM336	
	TI	LT1009	
LM336-2.5	GEC Plessey	REF25	
LM336-5	GEC Plessey	REF50	
LM3361	Samsung	MC3361	
LM337	LinearTech	LM337	
		LT1033	
		LT337	
	Motorola	LM337	
	SGS-Thomson	LM337	
	SiliconG	SG337	
	TI	LM337	
	Unitrode	UC337	
LM338	LinearTech	LM338	
		LT338	
	SemTech	LLM338	
	SiliconG	SG338	
LM339	AD	PM339	
	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
	Motorola	LM339	
	NJR	NJM2901	
	Panasonic	AN6912	
	Raytheon	LM339	
	Samsung	LM339	
	SGS-Thomson	LM339	
	Signetics	LM339	
	TI	LM339	
		TLC339	
LM340	Motorola	LM340	
		MC78L05	
		MC78L08	
		MC78L12	
		MC78L15	
		MC78L18	
		MC78L24	
		MC7808	
		MC7818	
	Samsung	KA340	
	SemTech	LAS1505	
		LAS1506	
		LAS1508	
		LAS1512	
		LAS1515	
		LAS1518	
		LAS1524	
	SiliconG	SG340	
LM3401	Harris	CA3401	
	Motorola	MC3401	
LM3403	SGS-Thomson	MC3403	
LM341	Motorola	MC78M05	
		MC78M06	
		MC78M08	
		MC78M12	
		MC78M15	
		MC78M18	
		MC78M24	
LM342	Motorola	MC78M05	
		MC78M06	
		MC78M08	
		MC78M12	
		MC78M15	
		MC78M18	
		MC78M24	
LM343	Harris	HA2645	
	Motorola	MC1436	
	SiliconG	SG343	
LM345	Motorola	MC7905	
LM346	Exar	XR346	
	SGS-Thomson	LM346	
LM348	AnalogSys	MA374	
	Raytheon	LM348	
		RC4156	
		RC4157	

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Manufacturer Device	Replacement Source	Device	IC Master Page
LM348			(Cont'd)
	Samsung	LM348	
	SGS-Thomson	LM348	
	TI	LM348	
LM349	AD	OP471	
	Motorola	MC4741	
LM350	LinearTech	LM350	
		LT350	
	SemTech	LLM350	
	SiliconG	SG350	
	Unitrode	UC350	
LM3503	SGS-Thomson	MC3503	
LM351	AnalogSys	MA362	
LM3524	Exar	XR3524	
	Harris	CA3524	
	LinearTech	LT3524	
		SG3524	
	Signetics	SG3524	
	SiliconG	SG3524	
	TI	SG3524	
	Unitrode	UC3524	
LM356	AnalogSys	MA362	
LM358	AD	OP221	
	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
	Elantec	EL2242	
	Fujitsu	MB47358	
		MB47358P	
		MB47358PE	
	Motorola	LM358	
	NJR	**NJM2904**	**(3594)**
	Panasonic	AN1358	
		AN6562	
	Samsung	LM358	
	SGS-Thomson	LM358	
	Signetics	LM358	
		NE532	
	TI	LM358	
LM358A	Signetics	NE532	
LM360	AD	CMP08	
	Elantec	EL2018	
		EL2252	
	NJR	NJM360	
LM361	Elantec	EL2018	
		EL2252	
	Signetics	NE529	
LM3611	Allegro Micro	UDN3611	
LM3612	Allegro Micro	UDN3612	
LM3613	Allegro Micro	UDN3613	
LM3614	Allegro Micro	UDN3614	
LM363	AD	AMP01	
	Burr-Brown	**INA101**	**(3412)**
	Motorola	MC3450	
	National	LM363	
LM368	LinearTech	LT1019	
LM368-10	GEC Plessey	ZNREF100	
LM368-6	GEC Plessey	ZNREF062	
LM371	Motorola	MC1590	
LM380	Allegro Micro	ULN2280	
LM384	Allegro Micro	ULN3784	
LM385	AD	REF03	
	LinearTech	LM385	
		LT1004	
		LT1034	
	Motorola	LM385	
	TI	LM385	
		LT1004	
LM385-1.2	GEC Plessey	REF12	
LM385-2.5	GEC Plessey	REF25	
LM386	Motorola	MC34119	
	Samsung	LM386	
LM3900	NJR	NJM3900	
	Raytheon	LM3900	
	TI	LM3900	
LM3905	Motorola	MC1455	
LM393	Elantec	EL2252	
	Fujitsu	MB47393	
	Harris	CA3290	
	Motorola	LM393	
	NJR	NJM2903	
	Panasonic	AN1393	
		AN6914	

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Manufacturer Device	Replacement Source	Device	IC Master Page
LM393			(Cont'd)
	Samsung	LM393	
	SGS-Thomson	LM393	
	Signetics	LM393	
		LM393A	
	TI	LM393	
		TLC393	
LM393A	Signetics	LM393A	
LM394	AD	MAT02	
		SSM2210	**(3334, 3354)**
LM396	LinearTech	LT1038	
LM399	LinearTech	LM399	
LM4250	AD	OP22	
	Motorola	MC1776	
	NJR	**NJM4250**	**(3594)**
LM431	Astec Semi	AS431	
LM4741	Panasonic	AN6554	
LM55109	Motorola	MC75S110	
LM55110	Motorola	MC75S110	
LM5539	Signetics	NE5539	
LM555	Motorola	MC1455	
	Samsung	NE555	
	SGS-Thomson	NE555	
	Signetics	NE555	
LM555H/883	TI	SE555LB	
LM555J	TI	SE555JG	
LM555J/883	TI	SE555JGB	
LM556	Motorola	MC3456	
	Samsung	NE556	
	SGS-Thomson	NE556	
		SE556	
	Signetics	NE556	
		SE556	
LM556J	TI	SE556J	
LM556J/883	TI	SE556JB	
LM565	Signetics	NE565	
LM566	Signetics	NE566	
		SE566	
LM567	Exar	XR567	
	Samsung	LM567	
	Signetics	NE567	
LM592	Signetics	NE592	
LM604	Harris	HA2406	
LM607	AD	OP77	
	Burr-Brown	OPA27	
		OPA37	
LM6118	**Harris**	**HA5222**	**(3508)**
LM6121	Elantec	EL2001	
LM6125	Elantec	EL2008	
		EL2009	
		EL2012	
LM6161	Elantec	EL2020	
		EL2030	
	Harris	**HA2544**	**(3508)**
LM6164	Elantec	EL2028	
		EL2029	
	Harris	HA5190	
LM6165	Elantec	EL2038	
	Harris	HA2540	
LM6218	**Harris**	**HA5222**	**(3508)**
LM6218AJ	National	HA7-5222-9	
LM6321	Elantec	EL2001	
LM6361	Elantec	EL2020	
		EL2030	
	Harris	**HA2544**	**(3508)**
LM6364	Elantec	EL2028	
		EL2029	
	Harris	HA5195	
LM6365	Elantec	EL2038	
	Harris	HA2540	
LM668	AD	OP177	
LM675	Burr-Brown	OPA511	
LM703	Motorola	MC1350	
LM709	Burr-Brown	3507	
	Motorola	MC1709	
	TI	µA709	
LM710	Samsung	KA710	
LM711	Samsung	KA711	
LM723	Fujitsu	MB3752	
	Harris	CA0723	
	Motorola	MC1723	
	SGS-Thomson	LM723	
	Signetics	µA723	
	SiliconG	SG723	
LM723J	TI	UA723MJ	
LM723J/883	TI	UA723MJB	
LM725	AD	OP06	
	Burr-Brown	3510	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LM733	Signetics	µA733	
LM734	Motorola	LM311	
LM741	AD	OP77	
	AnalogSys	MA332	
		MA333	
		MA362	
	Fujitsu	MB3609	
	Motorola	MC1741	
	NJR	NJM741	
	Panasonic	AN1741	
		AN6570	
	Raytheon	RC741	
	Samsung	LM741	
	SGS-Thomson	µA741	
	Signetics	µA741	
		µA741C	
	TI	µA741	
LM741H/883	TI	UA741MLB	
LM741J	TI	UA741MJG	
LM741J/883	TI	UA741MJGB	
LM747	Burr-Brown	OPA2111	
	Motorola	MC1747	
	Raytheon	RC747	
	Signetics	µA747	
		µA747C	
LM747J	TI	UA747MJ	
LM747J/883	TI	UA747MJB	
LM748	AnalogSys	MA332	
		MA333	
		MA362	
	Burr-Brown	3510	
	Motorola	MC1748	
	SGS-Thomson	µA748	
LM751J-14/883	TI	UA741MJB	
LM75107	Motorola	MC75107	
LM75108	Motorola	MC75108	
LM75110	Motorola	MC75S110	
LM75207	Motorola	MC75107	
LM75208	Motorola	MC75108	
LM7523	Unitrode	PIC7523	
LM7525	Unitrode	PIC7524	
LM7529	Unitrode	PIC7529	
LM7535	Unitrode	PIC7535	
LM78L05	Motorola	MC78L05	
	TI	µA78L05	
LM78L08	Motorola	MC78L08	
LM78L09	TI	µA78L09	
LM78L12	Motorola	MC78L12	
LM78L15	Motorola	MC78L15	
	TI	µA78L15	
LM78L18	Motorola	MC78L18	
LM78L24	Motorola	MC78L24	
LM78M05	Motorola	MC78M05	
	TI	µA78M05	
LM78M06	National	LM78M06	
	TI	µA78M06	
LM78M08	TI	µA78M08	
LM78M12	Motorola	MC78M12	
	TI	µA78M12	
LM78M15	Motorola	MC78M15	
	TI	µA78M15	
LM78M24	TI	µA78M24	
LM7805	SemTech	LAS1505	
	SGS-Thomson	L7805	
	TI	µA7805	
	Unitrode	UC7805	
LM7806	TI	µA7806	
LM7808	Motorola	MC7808	
	TI	µA7808	
LM7812	Motorola	MC7812	
	SemTech	LAS1512	
	SGS-Thomson	L7812	
	TI	µA7812	
LM7815	SemTech	LAS1515	
	SGS-Thomson	L7815	
	TI	µA7815	
	Unitrode	UC7815	
LM7818	Motorola	MC7818	
	TI	µA7818	
LM7824	TI	µA7824	
LM79L05	Motorola	MC79L05	
	TI	MC79L05	
LM79L12	Motorola	MC79L12	
	TI	MC79L12	
LM79L15	Motorola	MC78L15	
	TI	MC79L15	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
LM79M05	Motorola	MC79M05	
	TI	μA79M05	
LM79M12	Motorola	MC79M12	
	TI	μA79M12	
LM79M15	Motorola	MC79M15	
	TI	μA79M15	
LM7905	Motorola	MC7905	
	SemTech	LAS1805	
	SGS-Thomson	L7905	
	TI	μA7905	
	Unitrode	UC7905	
LM7908	TI	μA7908	
LM7912	Motorola	MC7912	
	SemTech	LAS1812	
	SGS-Thomson	L7912	
	TI	μA7912	
LM7915	Motorola	MC7915	
	SemTech	LAS1815	
	SGS-Thomson	L7915	
	TI	μA7915	
	Unitrode	UC7915	
LM833	**AD**	**SSM2139**	**(3337, 3343, 3354)**
	AnalogSys	MA372	
	Fujitsu	MB47833	
		MB47833P	
		MB47833PF	
	NJR	**NJM2068**	**(3594)**
LM837	AD	OP471	
	Burr-Brown	OPA404	
	Motorola	MC33079	
LM883	TI	RC4558	
LP124	AD	OP421	
LP2902	AD	OP421	
LP2950	LinearTech	LT1117	
	Micrel	LP2950	
		MIC2950	
LP2951	LinearTech	LT1120	
	Micrel	MIC2951	
LP324	AD	OP421	
LP339	TI	LP339	
		TLC339	
L78S05CT	SemTech	LAS1605	
L78S12CT	SemTech	LAS1612	
L78S15CT	SemTech	LAS1615	
MC1456	AnalogSys	MA362	
MC1741	AnalogSys	MA362	
MC1748	AnalogSys	MA362	
MC48F010	SEEQ	48F010	
MC48F512	SEEQ	48F512	
♦ MC5401	Lansdale	ML5401	
		SL5401	
MC7905	Unitrode	UC7905	
MF10	Exar	XR1010	
	LinearTech	LTC1060	
	MicroLinear	ML2110	
	TI	TLC10	
		TLC20	
MF4	TI	TLC04	
		TLC14	
MF4C	Exar	XR1001	
		XR1002	
		XR1003	
		XR1004	
		XR1005	
		XR1006	
		XR1007	
MF5	LinearTech	LTC1059	
MM1702	Micro-C	8702	
MM2101	Hughes	H1822	
MM2114	AMD	AM9114	
	Krueger	**2114-200**	**(3548)**
MM21144	**Krueger**	**2114-150**	**(3548)**
		2114-450	**(3548)**
MM2147	**Krueger**	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
MM2148	**Krueger**	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
MM2708	Micro-C	2708	
MM27128	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
MM2716	Micro-C	2716	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM2716Q	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
MM2732	**Krueger**	**2732-250**	**(3548)**
		2732-300	**(3548)**
		2732-350	**(3548)**
		2732-450	**(3548)**
MM2758	Micro-C	2758	
MM307	SMC	COM5026	
		COM5046	
		COM8126	
		COM8146	
MM52164	Hughes	H23C64	
		H23C65	
MM5290	Krueger	4116-120	
		4116-150	
		4116-200	
	Micro-C	5290	
MM5295	Krueger	4116SV	
MM54C04	Micrel	MM54C04	
MM54C14	Micrel	MM54C14	
MM54C160	Micrel	MM54C160	
MM54C161	Micrel	MM54C161	
MM54C162	Micrel	MM54C162	
MM54C163	Micrel	MM54C163	
MM54C173	Micrel	MM54C173	
MM54C174	Micrel	MM54C174	
MM54C175	Micrel	MM54C175	
MM54C192	Micrel	MM54C192	
MM54C193	Micrel	MM54C193	
MM54C200	Micrel	MM54C200	
MM54C240	Micrel	MM54C240	
MM54C244	Micrel	MM54C244	
MM54C374	Micrel	MM54C374	
MM54C42	Micrel	MM54C42	
MM54C85	Micrel	MM54C85	
MM54C86	Micrel	MM54C86	
MM54C89	Micrel	MM54C89	
MM54C901	Micrel	MM54C901	
MM54C902	Micrel	MM54C902	
MM54C903	Micrel	MM54C903	
MM54C904	Micrel	MM54C904	
MM54C905	Micrel	MM54C905	
MM54C906	Micrel	MM54C906	
MM54C907	Micrel	MM54C907	
MM54C914	Micrel	MM54C914	
MM54C941	Micrel	MM54C941	
MM54HCT00	Harris	CD54HCT00	
	Motorola	MC54HCT00A	
MM54HCT03	Harris	CD54HCT03	
MM54HCT04	Harris	CD54HCT04	
	Motorola	MC54HCT04A	
	TI	SN54HCT04	
MM54HCT08	Harris	CD54HCT08	
	Motorola	MC54HCT08A	
MM54HCT109	Harris	CD54HCT109	
MM54HCT112	Harris	CD54HCT112	
MM54HCT138	GEC Plessey	54HCT138SOS	
	Harris	CD54HCT138	
	Motorola	MC54HCT138A	
	TI	SN54HCT138	
MM54HCT139	GEC Plessey	54HCT139SOS	
	Harris	CD54HCT139	
MM54HCT147	Harris	CD54HCT147	
MM54HCT151	Harris	CD54HCT151	
MM54HCT153	Harris	CD54HCT153	
MM54HCT157	Harris	CD54HCT157	
	Motorola	MC54HCT157A	
MM54HCT158	Harris	CD54HCT158	
MM54HCT164	Harris	CD54HCT164	
MM54HCT166	Harris	CD54HCT166	
MM54HCT191	Harris	CD54HCT191	
MM54HCT192	Harris	CD54HCT192	
MM54HCT193	Harris	CD54HCT193	
MM54HCT240	GEC Plessey	54HCT240SOS	
	Harris	CD54HCT240	
	Motorola	MC54HCT240A	
	Signetics	54HCT240	
	TI	SN54HCT240	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM54HCT241	GEC Plessey	54HCT241SOS	
	Harris	CD54HCT241	
	Motorola	MC54HCT241A	
	TI	SN54HCT241	
MM54HCT244	GEC Plessey	54HCT244SOS	
	Harris	CD54HCT244	
	Motorola	MC54HCT244A	
	Signetics	54HCT244	
	TI	SN54HCT244	
MM54HCT245	GEC Plessey	54HCT245SOS	
	Harris	CD54HCT245	
	Motorola	MC54HCT245A	
	TI	SN54HCT245	
MM54HCT251	Harris	CD54HCT251	
MM54HCT253	Harris	CD54HCT253	
MM54HCT257	Harris	CD54HCT257	
MM54HCT258	Harris	CD54HCT258	
MM54HCT273	Harris	CD54HCT273	
	Motorola	MC54HCT273A	
MM54HCT32	Harris	CD54HCT32	
	Motorola	MC54HCT32A	
MM54HCT373	GEC Plessey	54HCT373SOS	
	Harris	CD54HCT373	
	Motorola	MC54HCT373A	
	TI	SN54HCT373	
MM54HCT374	GEC Plessey	54HCT374SOS	
	Harris	CD54HCT374	
	Motorola	MC54HCT374A	
	TI	SN54HCT374	
MM54HCT533	GEC Plessey	54HCT533SOS	
	Harris	CD54HCT533	
	Motorola	MC54HCT533A	
MM54HCT534	GEC Plessey	54HCT534SOS	
	Harris	CD54HCT534	
	Motorola	MC54HCT534A	
MM54HCT540	GEC Plessey	54HCT540SOS	
	Harris	CD54HCT540	
	Motorola	MC54HCT540	
	TI	SN54HCT540	
MM54HCT541	GEC Plessey	54HCT541SOS	
	Harris	CD54HCT541	
	TI	SN54HCT541	
MM54HCT640	Harris	CD54HCT640	
	Motorola	MC54HCT640A	
MM54HCT643	Harris	CD54HCT643	
MM54HCT688	Harris	CD54HCT688	
MM54HCT74	Harris	CD54HCT74	
MM54HC00	Harris	CD54HC00	
	Motorola	MC54HC00A	
	TI	SN54HC00	
MM54HC02	Harris	CD54HC02	
	Motorola	MC54HC02A	
	TI	SN54HC02	
MM54HC03	Harris	CD54HC03	
	Motorola	MC54HC03A	
	TI	SN54HC03	
MM54HC04	Harris	CD54HC04	
	TI	SN54HC04	
MM54HC05	TI	SN54HC05	
MM54HC08	Harris	CD54HC08	
	Motorola	MC54HC08A	
	TI	SN54HC08	
MM54HC10	Harris	CD54HC10	
	Motorola	MC54HC10	
	TI	SN54HC10	
MM54HC107	Harris	CD54HC107	
	Motorola	MC54HC107	
	TI	SN54HC107	
MM54HC109	Harris	CD54HC109	
	Motorola	MC54HC109	
	TI	SN54HC109	
MM54HC11	Harris	CD54HC11	
	Motorola	MC54HC11	
	TI	SN54HC11	
MM54HC112	Harris	CD54HC112	
	Motorola	MC54HC112	
	TI	SN54HC112	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM54HC113	Motorola	MC54HC113	
	TI	SN54HC113	
MM54HC123	Harris	CD54HC123	
	National	MM54HC123A	
MM54HC123A	Harris	CD54HC123	
	National	MM54HC123	
MM54HC125	Harris	CD54HC125	
	Motorola	MC54HC125A	
	TI	SN54HC125	
MM54HC126	Harris	CD54HC126	
	Motorola	MC54HC126A	
	TI	SN54HC126	
MM54HC132	Harris	CD54HC132	
	Motorola	MC54HC132A	
	TI	SN54HC132	
MM54HC133	Motorola	MC54HC133	
	TI	SN54HC133	
MM54HC137	Harris	CD54HC137	
	Motorola	MC54HC137	
	TI	SN54HC137	
MM54HC138	Harris	CD54HC138	
	Motorola	MC54HC138A	
	TI	SN54HC138	
MM54HC139	Harris	CD54HC139	
	Motorola	MC54HC139A	
	TI	SN54HC139	
MM54HC14	Harris	CD54HC14	
	Motorola	MC54HC14A	
	TI	SN54HC14	
MM54HC147	Harris	CD54HC147	
	Motorola	MC54HC147	
MM54HC148	TI	SN54HC148	
MM54HC151	Harris	CD54HC151	
	Motorola	MC54HC151	
	TI	SN54HC151	
MM54HC153	Harris	CD54HC153	
	Motorola	MC54HC153	
	TI	SN54HC153	
MM54HC154	Harris	CD54HC154	
	Motorola	MC54HC154	
MM54HC157	Harris	CD54HC157	
	Motorola	MC54HC157A	
	TI	SN54HC157	
MM54HC158	Harris	CD54HC158	
	TI	SN54HC158	
MM54HC160	Harris	CD54HC160	
	Motorola	MC54HC160	
	TI	SN54HC160	
MM54HC161	Harris	CD54HC161	
	TI	SN54HC161	
MM54HC162	Harris	CD54HC162	
	Motorola	MC54HC162	
MM54HC163	Harris	CD54HC163	
	TI	SN54HC163	
MM54HC164	Harris	CD54HC164	
	Motorola	MC54HC164	
	TI	SN54HC164	
MM54HC165	Harris	CD54HC165	
	Motorola	MC54HC165	
	TI	SN54HC165	
MM54HC166	Harris	CD54HC166	
	TI	SN54HC166	
MM54HC173	Harris	CD54HC173	
	Motorola	MC54HC173	
	TI	SN54HC173	
MM54HC174	Harris	CD54HC174	
	Motorola	MC54HC174A	
	TI	SN54HC174	
MM54HC175	Harris	CD54HC175	
	Motorola	MC54HC175	
	TI	SN54HC175	
MM54HC181	Harris	CD54HC181	
MM54HC182	Harris	CD54HC182	
MM54HC190	Harris	CD54HC190	
	TI	SN54HC190	
MM54HC191	Harris	CD54HC191	
	TI	SN54HC191	
MM54HC192	Harris	CD54HC192	
	TI	SN54HC192	
MM54HC193	Harris	CD54HC193	
	TI	SN54HC193	
MM54HC194	Harris	CD54HC194	
	Motorola	MC54HC194	
	TI	SN54HC194	
MM54HC195	Harris	CD54HC195	
	Motorola	MC54HC195	
	TI	SN54HC195	
MM54HC20	Harris	CD54HC20	
	Motorola	MC54HC20	
	TI	SN54HC20	
MM54HC221A	Harris	CD54HC221	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM54HC237	Harris	CD54HC237	
	Motorola	MC54HC237	
	TI	SN54HC237	
MM54HC240	Harris	CD54HC240	
	Motorola	MC54HC240A	
	Signetics	54HC240	
	TI	SN54HC240	
MM54HC241	Harris	CD54HC241	
	Motorola	MC54HC241A	
	TI	SN54HC241	
MM54HC242	Harris	CD54HC242	
	Motorola	MC54HC242	
	TI	SN54HC242	
MM54HC243	Harris	CD54HC243	
	TI	SN54HC243	
MM54HC244	Harris	CD54HC244	
	Motorola	MC54HC244A	
	Signetics	54HC244	
	TI	SN54HC244	
MM54HC245	Harris	CD54HC245	
	National	MM54HC245A	
	TI	SN54HC245	
MM54HC245A	Harris	CD54HC245	
	National	MM54HC245	
	TI	SN54HC245	
MM54HC251	Harris	CD54HC251	
	Motorola	MC54HC251	
	TI	SN54HC251	
MM54HC253	Harris	CD54HC253	
	Motorola	MC54HC253	
	TI	SN54HC253	
MM54HC257	Harris	CD54HC257	
	Motorola	MC54HC257	
	TI	SN54HC257	
MM54HC258	Harris	CD54HC258	
	TI	SN54HC258	
MM54HC259	Harris	CD54HC259	
	Motorola	MC54HC259	
	TI	SN54HC259	
MM54HC266	Motorola	MC54HC266	
	TI	SN54HC266	
MM54HC27	Harris	CD54HC27	
	Motorola	MC54HC27	
	TI	SN54HC27	
MM54HC273	Harris	CD54HC273	
	Motorola	MC54HC273A	
	TI	SN54HC273	
MM54HC280	Harris	CD54HC280	
	Motorola	MC54HC280	
	TI	SN54HC280	
MM54HC283	Harris	CD54HC283	
MM54HC299	Harris	CD54HC299	
	Motorola	MC54HC299	
MM54HC30	Harris	CD54HC30	
	Motorola	MC54HC30	
	TI	SN54HC30	
MM54HC32	Harris	CD54HC32	
	Motorola	MC54HC32A	
	TI	SN54HC32	
MM54HC354	Harris	CD54HC354	
	Motorola	MC54HC354	
MM54HC356	Harris	CD54HC356	
MM54HC365	Harris	CD54HC365	
	Motorola	MC54HC365	
	TI	SN54HC365	
MM54HC366	Harris	CD54HC366	
	Motorola	MC54HC366	
	TI	SN54HC366	
MM54HC367	Harris	CD54HC367	
	Motorola	MC54HC367	
	TI	SN54HC367	
MM54HC368	Harris	CD54HC368	
	Motorola	MC54HC368	
	TI	SN54HC368	
MM54HC373	Harris	CD54HC373	
	Motorola	MC54HC373A	
	TI	SN54HC373	
MM54HC374	Harris	CD54HC374	
	Motorola	MC54HC374A	
	TI	SN54HC374	
MM54HC390	Harris	CD54HC390	
	Motorola	MC54HC390	
	TI	SN54HC390	
MM54HC393	Harris	CD54HC393	
	Motorola	MC54HC393	
	TI	SN54HC393	
MM54HC4002	Harris	CD54HC4002	
	Motorola	MC54HC4002	
	TI	SN54HC4002	
MM54HC4016	Motorola	MC54HC4016	
	TI	SN54HC4016	
MM54HC4017	Harris	CD54HC4017	
	Motorola	MC54HC4017	
MM54HC4020	Harris	CD54HC4020	
	TI	SN54HC4020	
MM54HC4040	Harris	CD54HC4040	
	TI	SN54HC4040	
MM54HC4046	Harris	CD54HC4046	
		CD54HC4046A	
	Motorola	MC54HC4046A	
MM54HC4049	Harris	CD54HC4049	
	Motorola	MC54HC4049	
MM54HC4050	Harris	CD54HC4050	
	Motorola	MC54HC4050	
MM54HC4051	Harris	CD54HC4051	
	Motorola	MC54HC4051	
MM54HC4052	Harris	CD54HC4052	
	Motorola	MC54HC4052	
MM54HC4053	Harris	CD54HC4053	
	Motorola	MC54HC4053	
MM54HC4060	Harris	CD54HC4060	
MM54HC4066	Harris	CD54HC4066	
	Motorola	MC54HC4066	
	TI	SN54HC4066	
		TLC4066	
MM54HC4075	Harris	CD54HC4075	
	Motorola	MC54HC4075	
	TI	SN54HC4075	
MM54HC4078	Motorola	MC54HC4078	
	TI	SN54HC4078A	
MM54HC42	Harris	CD54HC42	
	Motorola	MC54HC42	
	TI	SN54HC42	
MM54HC423A	Harris	CD54HC423	
MM54HC4316	Motorola	MC54HC4316	
MM54HC4511	Harris	CD54HC4511	
	Motorola	MC54HC4511	
MM54HC4514	Harris	CD54HC4514	
	Motorola	MC54HC4514	
MM54HC4538	Harris	CD54HC4538	
	Motorola	MC54HC4538A	
MM54HC4543	Harris	CD54HC4543	
MM54HC51	Motorola	MC54HC51	
	TI	SN54HC51	
MM54HC533	Harris	CD54HC533	
	Motorola	MC54HC533A	
	TI	SN54HC533	
MM54HC534	Harris	CD54HC534	
	Motorola	MC54HC534A	
	TI	SN54HC534	
MM54HC540	Harris	CD54HC540	
	Motorola	MC54HC540	
	TI	SN54HC540	
MM54HC541	Harris	CD54HC541	
	Motorola	MC54HC541	
	TI	SN54HC541	
MM54HC563	Harris	CD54HC563	
	Motorola	MC54HC563	
	TI	SN54HC563	
MM54HC564	Harris	CD54HC564	
	Motorola	MC54HC564	
	TI	SN54HC564	
MM54HC573	Harris	CD54HC573	
	Motorola	MC54HC573A	
	TI	SN54HC573	
MM54HC574	Harris	CD54HC574	
	Motorola	MC54HC574A	
	TI	SN54HC574	
MM54HC58	Motorola	MC54HC58	
MM54HC589	Motorola	MC54HC589	
MM54HC595	TI	SN54HC595	
MM54HC597	Harris	CD54HC597	
	Motorola	MC54HC597	
MM54HC620	TI	SN54HC620	
MM54HC623	TI	SN54HC623	
MM54HC640	Harris	CD54HC640	
	Motorola	MC54HC640A	
	TI	SN54HC640	
MM54HC643	Harris	CD54HC643	
	TI	SN54HC643	
MM54HC646	Harris	CD54HC646	
	Motorola	MC54HC646	
MM54HC648	Harris	CD54HC648	
	Motorola	MC54HC648	
MM54HC688	Harris	CD54HC688	
	Motorola	MC54HC688	
	TI	SN54HC688	
MM54HC7266	Harris	CD54HC7266	
	Motorola	MC54HC7266	
MM54HC73	Harris	CD54HC73	
	Motorola	MC54HC73	
MM54HC74	Harris	CD54HC74	
	Motorola	MC54HC74A	
	TI	SN54HC74	
MM54HC75	Harris	CD54HC75	
	Motorola	MC54HC75	
	TI	SN54HC75	
MM54HC76	Motorola	MC54HC76	
MM54HC85	Harris	CD54HC85	
	Motorola	MC54HC85	
	TI	SN54HC85A	
MM54HC86	Harris	CD54HC86	
	Motorola	MC54HC86	
	TI	SN54HC86	
MM54H4016	TI	TLC4016	
MM5450	Micrel	MM5450	
MM5451	Micrel	MM5451	
MM5740	SMC	KR9600	
		KR9601	
		KR9602	
MM58167	Micro-C	58167	
MM58438	Hughes	H0438	
MM6116	Harris	HM65162	
MM6164	Harris	HM65642	
		HM8808	
MM6504	Harris	HM6504	
MM6508	Harris	HM6508	
MM6516	Harris	HM6516	
MM6518	Harris	HM6518	
MM6551	Harris	HM6551	
MM74C02	Fujitsu	MB4001P	
		MB4001PF	
MM74C14	GoldStar	GD40014	
MM74C160	GoldStar	GD40160	
MM74C161	GoldStar	GD40161	
MM74C163	GoldStar	GD40163	
MM74C174	GoldStar	GD40174	
MM74C175	GoldStar	GD40175	
MM74C192	GoldStar	GD40192	
MM74C193	GoldStar	GD40139	
MM74C85	GoldStar	GD40085	
MM74C89	GoldStar	GD4725	
MM74C920	GoldStar	GD4721	
	Harris	HM6551	
	Hughes	H1822	
MM74C929	GoldStar	GD4736	
	Harris	HM6508	
MM74C930	Harris	HM6518	
MM74C945	Maxim	MM74C945	
MM74C947	Maxim	MM74C947	
MM74HCT00	GoldStar	GD74HCT00	
	Harris	CD74HCT00	
	Mitsubishi	M74HCT00	
	Motorola	MC74HCT00A	
	Signetics	74HCT00	
	TI	SN74HCT00	
	Toshiba	TC74HCT00A	
MM74HCT03	Harris	CD74HCT03	
	Signetics	74HCT03	
MM74HCT04	GoldStar	GD74HCT04	
	Harris	CD74HCT04	
	Motorola	MC74HCT04A	
	SGS-Thomson	M74HCT04	
	Signetics	74HCT04	
	Toshiba	TC74HCT04A	
MM74HCT08	GoldStar	GD74HCT08	
	Harris	CD74HCT08	
	Motorola	MC74HCT08A	
	Signetics	74HCT08	
MM74HCT08			(Cont'd)
	TI	SN74HCT08	
	Toshiba	TC74HCT08A	
MM74HCT109	Harris	CD74HCT109	
	Signetics	74HCT109	
MM74HCT112	Harris	CD74HCT112	
	Signetics	74HCT112	
MM74HCT138	GEC Plessey	MV74HCT138	
		74HCT138	
	Harris	CD74HCT138	
	Hitachi	HD74HCT138	
	Mitsubishi	M74HCT138-1	
	Motorola	MC74HCT138A	
	SGS-Thomson	M74HCT138	
	Signetics	74HCT138	
	TI	SN74HCT138	
	Toshiba	TC74HCT138A	
MM74HCT139	GEC Plessey	MV74HCT139	
		74HCT139	
	Harris	CD74HCT139	
	Mitsubishi	M74HCT139-1	
	Signetics	74HCT139	
	TI	SN74HCT139	
	Toshiba	TC74HCT139A	
MM74HCT147	Harris	CD74HCT147	
	Signetics	74HCT147	
MM74HCT151	Harris	CD74HCT151	
	Signetics	74HCT151	
MM74HCT153	Harris	CD74HCT153	
	Signetics	74HCT153	
MM74HCT157	GoldStar	GD74HCT157	
	Harris	CD74HCT157	
	Motorola	MC74HCT157A	
	SGS-Thomson	M74HCT157	
	Signetics	74HCT157	
	Toshiba	TC74HCT157A	
MM74HCT158	Harris	CD74HCT158	
	SGS-Thomson	M74HCT158	
	Signetics	74HCT158	
	Toshiba	TC74HCT158A	
MM74HCT164	Harris	CD74HCT164	
	SGS-Thomson	M74HCT164	
	Signetics	74HCT164	
	Toshiba	TC74HCT164A	
MM74HCT166	Harris	CD74HCT166	
	Signetics	74HCT166	
MM74HCT191	Harris	CD74HCT191	
	Signetics	74HCT191	
MM74HCT192	Harris	CD74HCT192	
	Signetics	74HCT192	
MM74HCT193	Harris	CD74HCT193	
	Signetics	74HCT193	
MM74HCT240	GEC Plessey	MV74HCT240	
		74HCT240	
	Harris	CD74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240	
		M74HCT240-1	
	Motorola	MC74HCT240A	
	SGS-Thomson	M74HCT240	
	Signetics	74HCT240	
	TI	SN74HCT240	
	Toshiba	TC74HCT240A	
MM74HCT241	GEC Plessey	MV74HCT241	
		74HCT241	
	Harris	CD74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241	
		M74HCT241-1	
	Motorola	MC74HCT241A	
	SGS-Thomson	M74HCT241	
	Signetics	74HCT241	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HCT241			(Cont'd)
	TI	SN74HCT241	
	Toshiba	TC74HCT241A	
MM74HCT244			
	GEC Plessey	MV74HCT244	
		74HCT244	
	Harris	CD74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244	
		M74HCT244-1	
	Motorola	MC74HCT244A	
	SGS-Thomson		
		M74HCT244	
	Signetics	74HCT244	
	TI	SN74HCT244	
	Toshiba	TC74HCT244A	
MM74HCT245			
	GEC Plessey	MV74HCT245	
		74HCT245	
	Harris	CD74HCT245	
	Hitachi	HD74HCT245	
	Mitsubishi	M74HCT245-1	
	Motorola	MC74HCT245A	
	SGS-Thomson		
		M74HCT245	
	Signetics	74HCT245	
	TI	SN74HCT245	
	Toshiba	TC74HCT245A	
MM74HCT251			
	Harris	CD74HCT251	
	Signetics	74HCT251	
MM74HCT253			
	Harris	CD74HCT253	
MM74HCT257			
	Harris	CD74HCT257	
	SGS-Thomson		
		M74HCT257	
	Signetics	74HCT257	
	Toshiba	TC74HCT257A	
MM74HCT258			
	GoldStar	GD74HCT258	
	Harris	CD74HCT258	
	SGS-Thomson		
		M74HCT258	
	Signetics	74HCT258	
	Toshiba	TC74HCT258A	
MM74HCT273			
	GoldStar	GD74HCT273	
	Harris	CD74HCT273	
	Mitsubishi	M74HCT273-1	
	Motorola	MC74HCT273A	
	Signetics	74HCT273	
	Toshiba	TC74HCT273A	
MM74HCT32	GoldStar	GD74HCT32	
	Harris	CD74HCT32	
	Motorola	MC74HCT32A	
	Signetics	74HCT32	
	TI	SN74HCT32	
	Toshiba	TC74HCT32A	
MM74HCT373			
	GEC Plessey	MV74HCT373	
		74HCT373	
	GoldStar	GD74HCT373	
	Harris	CD74HCT373	
	Hitachi	HD74HCT373	
	Mitsubishi	M74HCT373-1	
	Motorola	MC74HCT373A	
	SGS-Thomson		
		M74HCT373	
	Signetics	74HCT373	
	TI	SN74HCT373	
	Toshiba	TC74HCT373A	
MM74HCT374			
	GEC Plessey	MV74HCT374	
		74HCT374	
	GoldStar	GD74HCT374	
	Harris	CD74HCT374	
	Hitachi	HD74HCT374	
	Mitsubishi	M74HCT374-1	
	Motorola	MC74HCT374A	
	SGS-Thomson		
		M74HCT374	
	Signetics	74HCT374	
	TI	SN74HCT374	
	Toshiba	TC74HCT374A	
MM74HCT533			
	GEC Plessey	MV74HCT533	
		74HCT533	
	Harris	CD74HCT533	
	Hitachi	HD74HCT533	
	Mitsubishi	M74HCT533-1	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HCT533			(Cont'd)
	Motorola	MC74HCT533A	
	SGS-Thomson		
		M74HCT533	
	Signetics	74HCT533	
	TI	SN74HCT533	
	Toshiba	TC74HCT533A	
MM74HCT534			
	GEC Plessey	MV74HCT534	
		74HCT534	
	Harris	CD74HCT534	
	Hitachi	HD74HCT534	
	Mitsubishi	M74HCT534-1	
	Motorola	MC74HCT534A	
	SGS-Thomson		
		M74HCT534	
	Signetics	74HCT534	
	TI	SN74HCT534	
	Toshiba	TC74HCT534A	
MM74HCT540			
	GEC Plessey	MV74HCT540	
		74HCT540	
	Harris	CD74HCT540	
	Motorola	MC74HCT540	
	SGS-Thomson		
		M74HCT540	
	Signetics	74HCT540	
	TI	SN74HCT540	
	Toshiba	TC74HCT540A	
MM74HCT541			
	GEC Plessey	MV74HCT541	
		74HCT541	
	Harris	CD74HCT541	
	SGS-Thomson		
		M74HCT541	
	Signetics	74HCT541	
	TI	SN74HCT541	
	Toshiba	TC74HCT541A	
MM74HCT564			
	GEC Plessey	MV74HCT564	
		74HCT564	
	Harris	CD74HCT564	
	SGS-Thomson		
		M74HCT564	
	Signetics	74HCT564	
	TI	SN74HCT564	
	Toshiba	TC74HCT564A	
MM74HCT573			
	GEC Plessey	MV74HCT573	
		74HCT573	
	Harris	CD74HCT573	
	Motorola	MC74HCT573A	
	SGS-Thomson		
		M74HCT573	
	Signetics	74HCT573	
	TI	SN74HCT573	
	Toshiba	TC74HCT573A	
MM74HCT574			
	GEC Plessey	MV74HCT574	
		74HCT574	
	Harris	CD74HCT574	
	Motorola	MC74HCT574A	
	SGS-Thomson		
		M74HCT574	
	Signetics	74HCT574	
	TI	SN74HCT574	
	Toshiba	TC74HCT574A	
MM74HCT640			
	Harris	CD74HCT640	
	Mitsubishi	M74HCT640-1	
	Motorola	MC74HCT640A	
	SGS-Thomson		
		M74HCT640	
	Signetics	74HCT640	
	TI	SN74HCT640	
	Toshiba	TC74HCT640A	
	Universal	US74HCT640	
MM74HCT643			
	Harris	CD74HCT643	
	Mitsubishi	M74HCT643-1	
	SGS-Thomson		
		M74HCT643	
	Signetics	74HCT643	
	TI	SN74HCT643	
	Toshiba	TC74HCT643A	
MM74HCT688			
	Harris	CD74HCT688	
	SGS-Thomson		
		M74HCT688	
	Signetics	74HCT688	
	Toshiba	TC74HCT688A	
MM74HCT74	Harris	CD74HCT74	
	Motorola	MC74HCT74A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HCT74			(Cont'd)
	SGS-Thomson		
		M74HCT74	
	Signetics	74HCT74	
	TI	SN74HCT74	
	Toshiba	TC74HCT74A	
MM74HC00	GoldStar	GD74HC00	
	Harris	CD74HC00	
	Hitachi	HD74HC00	
	Motorola	MC74HC00A	
	NJR	NJU74HC00	
	SGS-Thomson		
		M74HC00	
	Sharp	LR74HC00	
	Signetics	74HC00	
	TI	SN74HC00	
	Toshiba	TC74HC00A	
MM74HC02	GoldStar	GD74HC02	
	Harris	CD74HC02	
	Hitachi	HD74HC02	
	Motorola	MC74HC02A	
	NJR	NJU74HC02	
	SGS-Thomson		
		M74HC02	
	Sharp	LR74HC02	
	Signetics	74HC02	
	TI	SN74HC02	
	Toshiba	TC74HC02A	
MM74HC03	Harris	CD74HC03	
	Motorola	MC74HC03A	
	NJR	NJU74HC03	
	SGS-Thomson		
		M74HC03	
	Sharp	LR74HC03	
	Signetics	74HC03	
	TI	SN74HC03	
	Toshiba	TC74HC03A	
MM74HC04	Harris	CD74HC04	
	Hitachi	HD74HC04	
	Motorola	MC74HC04A	
	NJR	NJU74HC04	
	SGS-Thomson		
		M74HC04	
	Sharp	LR74HC04	
	Signetics	74HC04	
	TI	SN74HC04	
	Toshiba	TC74HC04A	
MM74HC05	NJR	NJU74HC05	
	TI	SN74HC05	
MM74HC08	Harris	CD74HC08	
	Hitachi	HD74HC08	
	Motorola	MC74HC08A	
	NJR	NJU74HC08	
	SGS-Thomson		
		M74HC08	
	Sharp	LR74HC08	
	Signetics	74HC08	
	TI	SN74HC08	
	Toshiba	TC74HC08A	
MM74HC10	Harris	CD74HC10	
	Hitachi	HD74HC10	
	Motorola	MC74HC10	
	NJR	NJU74HC10	
	SGS-Thomson		
		M74HC10	
	Sharp	LR74HC10	
	Signetics	74HC10	
	TI	SN74HC10	
	Toshiba	TC74HC10A	
MM74HC107	Harris	CD74HC107	
	Hitachi	HD74HC107	
	Motorola	MC74HC107	
	SGS-Thomson		
		M74HC107	
	Sharp	LR74HC107	
	Signetics	74HC107	
	TI	SN74HC107	
	Toshiba	TC74HC107A	
MM74HC109	Harris	CD74HC109	
	Hitachi	HD74HC109	
	Motorola	MC74HC109	
	NJR	NJU74HC109	
	SGS-Thomson		
		M74HC109	
	Sharp	LR74HC109	
	Signetics	74HC109	
	TI	SN74HC109	
	Toshiba	TC74HC109A	
MM74HC11	Harris	CD74HC11	
	Hitachi	HD74HC11	
	Motorola	MC74HC11	
	NJR	NJU74HC11	
	SGS-Thomson		
		M74HC11	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC11			(Cont'd)
	Sharp	LR74HC11	
	Signetics	74HC11	
	TI	SN74HC11	
	Toshiba	TC74HC11A	
MM74HC112	Harris	CD74HC112	
	Hitachi	HD74HC112	
	Motorola	MC74HC112	
	NJR	NJU74HC112	
	SGS-Thomson		
		M74HC112	
	Sharp	LR74HC112	
	Signetics	74HC112	
	TI	SN74HC112	
	Toshiba	TC74HC112A	
MM74HC113	Hitachi	HD74HC113	
	Mitsubishi	M74HC113	
	Motorola	MC74HC113	
	NJR	NJU74HC113	
	SGS-Thomson		
		M74HC113	
	Sharp	LR74HC113	
	TI	SN74HC113	
	Toshiba	TC74HC113A	
MM74HC123	Harris	CD74HC123	
	Hitachi	HD74HC123	
	Mitsubishi	M74HC123A	
	National	MM74HC123A	
	NJR	NJU74HC123	
	SGS-Thomson		
		M74HC123	
		M74HC123A	
	Signetics	74HC123	
	Toshiba	TC74HC123	
		TC74HC123A	
MM74HC123A			
	Harris	CD74HC123	
	Hitachi	HD74HC123	
	Mitsubishi	M74HC123A	
	National	MM74HC123	
	NJR	NJU74HC123	
	SGS-Thomson		
		M74HC123	
		M74HC123A	
	Signetics	74HC123	
	Toshiba	TC74HC123	
		TC74HC123A	
MM74HC125	Harris	CD74HC125	
	Hitachi	HD74HC125	
	Motorola	MC74HC125A	
	SGS-Thomson		
		M74HC125	
	Signetics	74HC125	
	TI	SN74HC125	
	Toshiba	TC74HC125A	
MM74HC126	Harris	CD74HC126	
	Hitachi	HD74HC126	
	Motorola	MC74HC126A	
	SGS-Thomson		
		M74HC126	
	Signetics	74HC126	
	TI	SN74HC126	
	Toshiba	TC74HC126A	
MM74HC132	Harris	CD74HC132	
	Hitachi	HD74HC132	
	Motorola	MC74HC132A	
	NJR	NJU74HC132	
	SGS-Thomson		
		M74HC132	
	Sharp	LR74HC132	
	Signetics	74HC132	
	TI	SN74HC132	
	Toshiba	TC74HC132A	
MM74HC133	Hitachi	HD74HC133	
	Motorola	MC74HC133	
	SGS-Thomson		
		M74HC133	
	TI	SN74HC133	
	Toshiba	TC74HC133A	
MM74HC137	Harris	CD74HC137	
	Hitachi	HD74HC137	
	Mitsubishi	M74HC137	
	Motorola	MC74HC137	
	NJR	NJU74HC137	
	SGS-Thomson		
		M74HC137	
	Sharp	LR74HC137	
	Signetics	74HC137	
	TI	SN74HC137	
	Toshiba	TC74HC137A	
MM74HC138	Harris	CD74HC138	
	Hitachi	HD74HC138	
	Mitsubishi	M74HC138-1	
	Motorola	MC74HC138A	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC138			(Cont'd)
	NJR	NJU74HC138	
	SGS-Thomson		
		M74HC138	
	Sharp	LR74HC138	
	Signetics	74HC138	
	TI	SN74HC138	
	Toshiba	TC74HC138A	
MM74HC139	Harris	CD74HC139	
	Hitachi	HD74HC139	
	Mitsubishi	M74HC139-1	
	Motorola	MC74HC139A	
	NJR	NJU74HC139	
	SGS-Thomson		
		M74HC139	
	Sharp	LR74HC139	
	Signetics	74HC139	
	TI	SN74HC139	
	Toshiba	TC74HC139A	
MM74HC14	Harris	CD74HC14	
	Hitachi	HD74HC14	
	Mitsubishi	M74HC14	
	Motorola	MC74HC14A	
	NJR	NJU74HC14	
	SGS-Thomson		
		M74HC14	
	Sharp	LR74HC14	
	Signetics	74HC14	
	TI	SN74HC14	
	Toshiba	TC74HC14A	
MM74HC147	Harris	CD74HC147	
	Hitachi	HD74HC147	
	Motorola	MC74HC147	
	SGS-Thomson		
		M74HC147	
	Sharp	LR74HC147	
	Signetics	74HC147	
	TI	SN74HC147	
	Toshiba	TC74HC147A	
MM74HC148	Hitachi	HD74HC148	
	SGS-Thomson		
		M74HC148	
	TI	SN74HC148	
	Toshiba	TC74HC148A	
MM74HC151	Harris	CD74HC151	
	Hitachi	HD74HC151	
	Motorola	MC74HC151	
	NJR	NJU74HC151	
	SGS-Thomson		
		M74HC151	
	Sharp	LR74HC151	
	Signetics	74HC151	
	TI	SN74HC151	
	Toshiba	TC74HC151A	
MM74HC153	Harris	CD74HC153	
	Hitachi	HD74HC153	
	Motorola	MC74HC153	
	NJR	NJU74HC153	
	SGS-Thomson		
		M74HC153	
	Sharp	LR74HC153	
	Signetics	74HC153	
	TI	SN74HC153	
	Toshiba	TC74HC153A	
	Universal	US74HC153	
MM74HC154	Harris	CD74HC154	
	Hitachi	HD74HC154	
	Motorola	MC74HC154	
	SGS-Thomson		
		M74HC154	
	Signetics	74HC154	
	TI	SN74HC154	
	Toshiba	TC74HC154A	
	Universal	US74HC154	
MM74HC155	Hitachi	HD74HC155	
	Mitsubishi	M74HC155	
	SGS-Thomson		
		M74HC155	
	Toshiba	TC74HC155A	
MM74HC157	Harris	CD74HC157	
	Hitachi	HD74HC157	
	Motorola	MC74HC157A	
	SGS-Thomson		
		M74HC157	
	Sharp	LR74HC157	
	Signetics	74HC157	
	TI	SN74HC157	
	Toshiba	TC74HC157A	
	Universal	US74HC157	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC158	Harris	CD74HC158	
	Hitachi	HD74HC158	
	SGS-Thomson		
		M74HC158	
	Sharp	LR74HC158	
	Signetics	74HC158	
	TI	SN74HC158	
	Toshiba	TC74HC158A	
	Universal	US74HC158	
MM74HC160	Harris	CD74HC160	
	Hitachi	HD74HC160	
	Mitsubishi	M74HC160	
	Motorola	MC74HC160	
	NJR	NJU74HC160	
	SGS-Thomson		
		M74HC160	
	Sharp	LR74HC160	
	Signetics	74HC160	
	TI	SN74HC160	
	Toshiba	TC74HC160A	
	Universal	US74HC160	
MM74HC161	Harris	CD74HC161	
	Hitachi	HD74HC161	
	NJR	NJU74HC161	
	SGS-Thomson		
		M74HC161	
	Sharp	LR74HC161	
	Signetics	74HC161	
	TI	SN74HC161	
	Toshiba	TC74HC161A	
	Universal	US74HC161	
MM74HC162	Harris	CD74HC162	
	Hitachi	HD74HC162	
	Mitsubishi	M74HC162	
	Motorola	MC74HC162	
	NJR	NJU74HC162	
	SGS-Thomson		
		M74HC162	
	Sharp	LR74HC162	
	Signetics	74HC162	
	TI	SN74HC162	
	Toshiba	TC74HC162A	
	Universal	US74HC162	
MM74HC163	Harris	CD74HC163	
	Hitachi	HD74HC163	
	NJR	NJU74HC163	
	Panasonic	MN74HC163	
	SGS-Thomson		
		M74HC163	
	Sharp	LR74HC163	
	Signetics	74HC163	
	TI	SN74HC163	
	Toshiba	TC74HC163A	
	Universal	US74HC163	
MM74HC164	Harris	CD74HC164	
	Hitachi	HD74HC164	
	Motorola	MC74HC164	
	NJR	NJU74HC164	
	SGS-Thomson		
		M74HC164	
	Sharp	LR74HC164	
	Signetics	74HC164	
	TI	SN74HC164	
	Toshiba	TC74HC164A	
	Universal	US74HC164	
MM74HC165	Harris	CD74HC165	
	Hitachi	HD74HC165	
	Motorola	MC74HC165	
	NJR	NJU74HC165	
	SGS-Thomson		
		M74HC165	
	Sharp	LR74HC165	
	Signetics	74HC165	
	TI	SN74HC165	
	Toshiba	TC74HC165A	
	Universal	US74HC165	
MM74HC166	Harris	CD74HC166	
	Hitachi	HD74HC166	
	NJR	NJU74HC166	
	SGS-Thomson		
		M74HC166	
	Signetics	74HC166	
	TI	SN74HC166	
	Toshiba	TC74HC166A	
MM74HC173	Harris	CD74HC173	
	Hitachi	HD74HC173	
	Motorola	MC74HC173	
	SGS-Thomson		
		M74HC173	
	Sharp	LR74HC173	
	Signetics	74HC173	
	TI	SN74HC173	
	Toshiba	TC74HC173A	
	Universal	US74HC173	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC174	Harris	CD74HC174	
	Hitachi	HD74HC174	
	Motorola	MC74HC174A	
	NJR	NJU74HC174	
	SGS-Thomson		
		M74HC174	
	Sharp	LR74HC174	
	Signetics	74HC174	
	TI	SN74HC174	
	Toshiba	TC74HC174A	
	Universal	US74HC174	
MM74HC175	Harris	CD74HC175	
	Hitachi	HD74HC175	
	Motorola	MC74HC175	
	NJR	NJU74HC175	
	SGS-Thomson		
		M74HC175	
	Sharp	LR74HC175	
	Signetics	74HC175	
	TI	SN74HC175	
	Toshiba	TC74HC175A	
	Universal	US74HC175	
MM74HC181	Harris	CD74HC181	
	SGS-Thomson		
		M74HC181	
	Signetics	74HC181	
	Toshiba	TC74HC181A	
MM74HC182	Harris	CD74HC182	
	Hitachi	HD74HC182	
	SGS-Thomson		
		M74HC182	
	Signetics	74HC182	
	Toshiba	TC74HC182A	
MM74HC190	Harris	CD74HC190	
	Hitachi	HD74HC190	
	Mitsubishi	74HC190	
	SGS-Thomson		
		M74HC190	
	Signetics	74HC190	
	TI	SN74HC190	
	Toshiba	TC74HC190A	
	Universal	US74HC190	
MM74HC191	GoldStar	GD74HC191	
	Harris	CD74HC191	
	Hitachi	HD74HC191	
	Mitsubishi	M74HC191	
	SGS-Thomson		
		M74HC191	
	Signetics	74HC191	
	TI	SN74HC191	
	Toshiba	TC74HC191A	
	Universal	US74HC191	
MM74HC192	Harris	CD74HC192	
	Hitachi	HD74HC192	
	Mitsubishi	M74HC192	
	NJR	NJU74HC192	
	SGS-Thomson		
		M74HC192	
	Signetics	74HC192	
	TI	SN74HC192	
	Toshiba	TC74HC192A	
	Universal	US74HC192	
MM74HC193	Harris	CD74HC193	
	Hitachi	HD74HC193	
	Mitsubishi	M74HC193	
	SGS-Thomson		
		M74HC193	
	Signetics	74HC193	
	TI	SN74HC193	
	Toshiba	TC74HC193A	
	Universal	US74HC193	
MM74HC194	Harris	CD74HC194	
	Hitachi	HD74HC194	
	Mitsubishi	M74HC194	
	Motorola	MC74HC194	
	NJR	NJU74HC194	
	SGS-Thomson		
		M74HC194	
	Sharp	LR74HC194	
	Signetics	74HC194	
	TI	SN74HC194	
	Toshiba	TC74HC194A	
	Universal	US74HC194	
MM74HC195	Harris	CD74HC195	
	Hitachi	HD74HC195	
	Mitsubishi	M74HC195	
	Motorola	MC74HC195	
	NJR	NJU74HC195	
	SGS-Thomson		
		M74HC195	
	Sharp	LR74HC195	
	Signetics	74HC195	
	TI	SN74HC195	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC195			(Cont'd)
	Toshiba	TC74HC195A	
	Universal	US74HC195	
MM74HC20	Harris	CD74HC20	
	Hitachi	HD74HC20	
	Mitsubishi	M74HC20	
	Motorola	MC74HC20	
	NJR	NJU74HC20	
	SGS-Thomson		
		M74HC20	
	Sharp	LR74HC20	
	Signetics	74HC20	
	TI	SN74HC20	
	Toshiba	TC74HC20A	
	Universal	US74HC20	
MM74HC221A			
	Harris	CD74HC221	
	Hitachi	HD74HC221	
	SGS-Thomson		
		M74HC221	
		M74HC221A	
	Signetics	74HC221	
	Toshiba	TC74HC221	
	Universal	US74HC221	
MM74HC237	Harris	CD74HC237	
	Hitachi	HD74HC237	
	Mitsubishi	M74HC237	
	Motorola	MC74HC237	
	NJR	NJU74HC237	
	SGS-Thomson		
		M74HC237	
	Signetics	74HC237	
	TI	SN74HC237	
	Toshiba	TC74HC237A	
MM74HC238	Harris	CD74HC238	
	Hitachi	HD74HC238	
	NJR	NJU74HC238	
	SGS-Thomson		
		M74HC238	
	Signetics	74HC238	
	TI	SN74HC238	
	Toshiba	TC74HC238A	
MM74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	Motorola	MC74HC240A	
	NJR	NJU74HC240	
	SGS-Thomson		
		M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
MM74HC241	Harris	CD74HC241	
	Hitachi	HD74HC241	
	Mitsubishi	M74HC241	
	Motorola	MC74HC241A	
	NJR	NJU74HC241	
	SGS-Thomson		
		M74HC241	
		M74HC241HV	
	Sharp	LR74HC241	
	Signetics	74HC241	
	TI	SN74HC241	
	Toshiba	TC74HC241A	
MM74HC242	Harris	CD74HC242	
	Hitachi	HD74HC242	
	Mitsubishi	M74HC242	
	Motorola	MC74HC242	
	SGS-Thomson		
		M74HC242	
	Sharp	LR74HC242	
	Signetics	74HC242	
	TI	SN74HC242	
	Toshiba	TC74HC242A	
MM74HC243	Harris	CD74HC243	
	Mitsubishi	M74HC243	
	SGS-Thomson		
		M74HC243	
	Sharp	LR74HC243	
	Signetics	74HC243	
	TI	SN74HC243	
	Toshiba	TC74HC243A	
MM74HC244	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
	Motorola	MC74HC244A	
	NJR	NJU74HC244	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC244			(Cont'd)
	SGS-Thomson		
		M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
MM74HC245	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
	National	MM74HC245A	
	NJR	NJU74HC245	
	SGS-Thomson		
		M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
MM74HC245A			
	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
	National	MM74HC245	
	NJR	NJU74HC245	
	SGS-Thomson		
		M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
MM74HC251	Harris	CD74HC251	
	Hitachi	HD74HC251	
	Mitsubishi	M74HC251	
	Motorola	MC74HC251	
	SGS-Thomson		
		M74HC251	
	Sharp	LR74HC251	
	Signetics	74HC251	
	TI	SN74HC251	
	Toshiba	TC74HC251A	
MM74HC253	Harris	CD74HC253	
	Hitachi	HD74HC253	
	Mitsubishi	M74HC253	
	Motorola	MC74HC253	
	NJR	NJU74HC253	
	SGS-Thomson		
		M74HC253	
	Sharp	LR74HC253	
	Signetics	PC74HC253	
	TI	SN74HC253	
	Toshiba	TC74HC253	
MM74HC257	Harris	CD74HC257	
	Hitachi	HD74HC257	
	Mitsubishi	M74HC257	
	Motorola	MC74HC257	
	SGS-Thomson		
		M74HC257	
	Sharp	LR74HC257	
	Signetics	74HC257	
	TI	SN74HC257	
	Toshiba	TC74HC257A	
MM74HC258	Harris	CD74HC258	
	Hitachi	HD74HC258	
	SGS-Thomson		
		M74HC258	
	Signetics	74HC258	
	TI	SN74HC258	
	Toshiba	TC74HC258A	
MM74HC259	Harris	CD74HC259	
	Hitachi	HD74HC259	
	Mitsubishi	M74HC259	
	Motorola	MC74HC259	
	NJR	NJU74HC259	
	SGS-Thomson		
		M74HC259	
	Sharp	LR74HC259	
	Signetics	74HC259	
	TI	SN74HC259	
	Toshiba	TC74HC259A	
MM74HC266	Mitsubishi	M74HC266	
		M74HC266A	
	NJR	NJU74HC266	
	SGS-Thomson		
		M74HC266	
	Sharp	LR74HC266	
	TI	SN74HC266	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC27	Harris	CD74HC27	
	Hitachi	HD74HC27	
	Mitsubishi	M74HC27	
	Motorola	MC74HC27	
	NJR	NJU74HC27	
	SGS-Thomson		
		M74HC27	
	Sharp	LR74HC27	
	Signetics	74HC27	
	TI	SN74HC27	
	Toshiba	TC74HC27A	
MM74HC273	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
	Motorola	MC74HC273A	
	NJR	NJU74HC273	
	SGS-Thomson		
		M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
MM74HC280	Harris	CD74HC280	
	Hitachi	HD74HC280	
	Mitsubishi	M74HC280	
	Motorola	MC74HC280	
	SGS-Thomson		
		M74HC280	
	Sharp	LR74HC280	
	Signetics	74HC280	
	TI	SN74HC280	
	Toshiba	TC74HC280A	
MM74HC283	Harris	CD74HC283	
	Mitsubishi	M74HC283	
	SGS-Thomson		
		M74HC283	
	Signetics	74HC283	
	TI	SN74HC283	
	Toshiba	TC74HC283A	
MM74HC298	Hitachi	HD74HC298	
	Motorola	MC74HC298	
	SGS-Thomson		
		M74HC298	
	TI	SN74HC298	
	Toshiba	TC74HC298A	
MM74HC299	Harris	CD74HC299	
	Motorola	MC74HC299	
	SGS-Thomson		
		M74HC299	
	Sharp	LR74HC299	
	Signetics	74HC299	
	TI	SN74HC299	
	Toshiba	TC74HC299A	
MM74HC30	Harris	CD74HC30	
	Hitachi	HD74HC30	
	Mitsubishi	M74HC30	
	Motorola	MC74HC30	
	SGS-Thomson		
		M74HC30	
	Sharp	LR74HC30	
	Signetics	74HC30	
	TI	SN74HC30	
	Toshiba	TC74HC30A	
MM74HC32	Harris	CD74HC32	
	Hitachi	HD74HC32	
	Mitsubishi	M74HC32	
	Motorola	MC74HC32A	
	NJR	NJU74HC32	
	SGS-Thomson		
		M74HC32	
	Sharp	LR74HC32	
	Signetics	74HC32	
	TI	SN74HC32	
	Toshiba	TC74HC32A	
MM74HC323	Hitachi	HD74HC323	
	SGS-Thomson		
		M74HC323	
	Toshiba	TC74HC323A	
MM74HC354	Harris	CD74HC354	
	Hitachi	HD74HC354	
	Motorola	MC74HC354	
	SGS-Thomson		
		M74HC354	
	Sharp	LR74HC354	
	Signetics	74HC354	
	TI	SN74HC354	
	Toshiba	TC74HC354A	
MM74HC356	Harris	CD74HC356	
	Hitachi	HD74HC356	
	SGS-Thomson		
		M74HC356	
	Sharp	LR74HC356	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC356			(Cont'd)
	Signetics	74HC356	
	TI	SN74HC356	
	Toshiba	TC74HC356A	
MM74HC365	GoldStar	GD74HC365	
	Harris	CD74HC365	
	Hitachi	HD74HC365	
	Motorola	MC74HC365	
	SGS-Thomson		
		M74HC365	
	Sharp	LR74HC365	
	Signetics	74HC365	
	TI	SN74HC365	
	Toshiba	TC74HC365A	
MM74HC366	GoldStar	GD74HC366	
	Harris	CD74HC366	
	Hitachi	HD74HC366	
	Motorola	MC74HC366	
	SGS-Thomson		
		M74HC366	
	Sharp	LR74HC366	
	Signetics	74HC366	
	TI	SN74HC366	
	Toshiba	TC74HC366A	
MM74HC367	GoldStar	GD74HC367	
	Harris	CD74HC367	
	Hitachi	HD74HC367	
	Mitsubishi	M74HC367	
	Motorola	MC74HC367	
	SGS-Thomson		
		M74HC367	
	Signetics	74HC367	
	TI	SN74HC367	
	Toshiba	TC74HC367A	
MM74HC368	GoldStar	GD74HC368	
	Harris	CD74HC368	
	Hitachi	HD74HC368	
	Motorola	MC74HC368	
	SGS-Thomson		
		M74HC368	
	Sharp	LR74HC368	
	Signetics	74HC368	
	TI	SN74HC368	
	Toshiba	TC74HC368A	
MM74HC373	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	NJR	NJU74HC373	
	SGS-Thomson		
		M74HC373	
	Sharp	LR74HC373	
	Signetics	74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
MM74HC374	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	NJR	NJU74HC374	
	SGS-Thomson		
		M74HC374	
	Sharp	LR74HC374	
	Signetics	74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	
MM74HC390	Harris	CD74HC390	
	Hitachi	HD74HC390	
	Motorola	MC74HC390	
	NJR	NJU74HC390	
	SGS-Thomson		
		M74HC390	
	Sharp	LR74HC390	
	Signetics	74HC390	
	TI	SN74HC390	
	Toshiba	TC74HC390A	
MM74HC393	Harris	CD74HC393	
	Hitachi	HD74HC393	
	Motorola	MC74HC393	
	NJR	NJU74HC393	
	SGS-Thomson		
		M74HC393	
	Sharp	LR74HC393	
	Signetics	74HC393	
	TI	SN74HC393	
	Toshiba	TC74HC393A	
MM74HC4002			
	Harris	CD74HC4002	
	Mitsubishi	M74HC4002	
	Motorola	MC74HC4002	
	NJR	NJU74HC4002	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC4002			(Cont'd)
	SGS-Thomson		
		M74HC4002	
	Sharp	LR74HC4002	
	Signetics	74HC4002	
	TI	SN74HC4002	
	Toshiba	TC74HC4002A	
MM74HC4016			
	Harris	CD74HC4016	
	Motorola	MC74HC4016	
	Signetics	74HC4016	
	TI	TLC4016	
	Toshiba	TC74HC4016A	
MM74HC4017			
	Harris	CD74HC4017	
	Hitachi	HD74HC4017	
	Motorola	MC74HC4017	
	SGS-Thomson		
		M74HC4017	
	Signetics	74HC4017	
	TI	SN74HC4017	
	Toshiba	TC74HC4017A	
MM74HC4020			
	Harris	CD74HC4020	
	Hitachi	HD74HC4020	
	Mitsubishi	M74HC4020	
	NJR	NJU74HC4020	
	SGS-Thomson		
		M74HC4020	
	Signetics	74HC4020	
	TI	SN74HC4020	
	Toshiba	TC74HC4020A	
MM74HC4024			
	Harris	CD74HC4024	
	Hitachi	HD74HC4024	
	Mitsubishi	M74HC4024	
	Motorola	MC74HC4024	
	SGS-Thomson		
		M74HC4024	
	Sharp	LR74HC4024	
	Signetics	74HC4024	
	TI	SN74HC4024	
	Toshiba	TC74HC4024A	
MM74HC4040			
	Harris	CD74HC4040	
	Hitachi	HD74HC4040	
	Mitsubishi	M74HC4040	
	NJR	NJU74HC4040	
	SGS-Thomson		
		M74HC4040	
	Signetics	74HC4040	
	TI	SN74HC4040	
	Toshiba	TC74HC4040A	
MM74HC4046			
	Harris	CD74HC4046	
		CD74HC4046A	
	Motorola	MC74HC4046A	
	Signetics	74HC4046A	
MM74HC4049			
	Harris	CD74HC4049	
	Mitsubishi	M74HC4049B	
	Motorola	MC74HC4049	
	SGS-Thomson		
		M74HC4049	
	Signetics	74HC4049	
	Toshiba	TC74HC4049A	
MM74HC4050			
	Harris	CD74HC4050	
	Mitsubishi	M74HC4050B	
	Motorola	MC74HC4050	
	SGS-Thomson		
		M74HC4050	
	Signetics	74HC4050	
	Toshiba	TC74HC4050A	
MM74HC4051			
	Harris	CD74HC4051	
	Mitsubishi	M74HC4051	
	Motorola	MC74HC4051	
	SGS-Thomson		
		M74HC4051	
	Signetics	74HC4051	
	Toshiba	TC74HC4051A	
MM74HC4052			
	Harris	CD74HC4052	
	Mitsubishi	M74HC4052	
	Motorola	MC74HC4052	
	Panasonic	MN74HC4052	
	SGS-Thomson		
		M74HC4052	
	Signetics	74HC4052	
	Toshiba	TC74HC4052A	
MM74HC4053			
	Harris	CD74HC4053	
	Mitsubishi	M74HC4053	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
National Semiconductor (Cont'd)			
MM74HC4053			(Cont'd)
	Motorola	MC74HC4053	
	SGS-Thomson		
		M74HC4053	
	Signetics	74HC4053	
	Toshiba	TC74HC4053A	
MM74HC4060			
	Harris	CD74HC4060	
	Hitachi	HD74HC4060	
	SGS-Thomson		
		M74HC4060	
	Signetics	74HC4060	
	TI	SN74HC4060	
	Toshiba	TC74HC4060A	
MM74HC4066			
	Harris	CD74HC4066	
	Motorola	MC74HC4066	
	NJR	NJU74HC4066	
	SGS-Thomson		
		M74HC4066	
	Signetics	74HC4066	
	TI	SN74HC4066	
		TLC4066	
	Toshiba	TC74HC4066A	
MM74HC4075			
	Harris	CD74HC4075	
	Mitsubishi	M74HC4075	
	Motorola	MC74HC4075	
	SGS-Thomson		
		M74HC4075	
	Sharp	LR74HC4075	
	Signetics	74HC4075	
	TI	SN74HC4075	
	Toshiba	TC74HC4075A	
MM74HC4078			
	Mitsubishi	M74HC4078	
	Motorola	MC74HC4078	
	SGS-Thomson		
		M74HC4078	
	Sharp	LR74HC4078	
	TI	SN74HC4078A	
	Toshiba	TC74HC4078A	
MM74HC42	Harris	CD74HC42	
	Hitachi	HD74HC42	
	Mitsubishi	M74HC42	
	Motorola	MC74HC42	
	SGS-Thomson		
		M74HC42	
	Sharp	LR74HC42	
	Signetics	74HC42	
	TI	SN74HC42	
	Toshiba	TC74HC42A	
MM74HC423A			
	Harris	CD74HC423	
	Hitachi	HD74HC423	
	SGS-Thomson		
		M74HC423	
		M74HC423A	
	Signetics	74HC423	
	Toshiba	TC74HC423	
		TC74HC423A	
MM74HC4316			
	Harris	CD74HC4316	
	Motorola	MC74HC4316	
	SGS-Thomson		
		M74HC4316	
	Signetics	74HC4316	
	Toshiba	TC74HC4316A	
MM74HC4511			
	Harris	CD74HC4511	
	Hitachi	HD74HC4511	
	Motorola	MC74HC4511	
	SGS-Thomson		
		M74HC4511	
	Sharp	LR74HC4511	
	Signetics	74HC4511	
	Toshiba	TC74HC4511A	
MM74HC4514			
	Harris	CD74HC4514	
	Hitachi	HD74HC4514	
	Motorola	MC74HC4514	
	SGS-Thomson		
		M74HC4514	
	Sharp	LR74HC4514	
	Signetics	74HC4514	
	TI	SN74HC4514	
	Toshiba	TC74HC4514A	
MM74HC4518			
	Harris	CD74HC4518	
	Hitachi	HD74HC4518	
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Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC4518			(Cont'd)
	SGS-Thomson		
		M74HC4518	
	Signetics	74HC4518	
	Toshiba	TC74HC4518A	
MM74HC4520			
	Harris	CD74HC4520	
	Hitachi	HD74HC4520	
	Signetics	74HC4520	
	Toshiba	TC74HC4520A	
MM74HC4538			
	Harris	CD74HC4538	
	Hitachi	HD74HC4538	
	Motorola	MC74HC4538A	
	SGS-Thomson		
		M74HC4538	
	Signetics	74HC4538	
	Toshiba	TC74HC4538A	
MM74HC4543			
	Harris	CD74HC4543	
	Hitachi	HD74HC4543	
	SGS-Thomson		
		M74HC4543	
	Sharp	LR74HC4543	
	Signetics	74HC4543	
	Toshiba	TC74HC4543A	
MM74HC51	Hitachi	HD74HC51	
	Mitsubishi	M74HC51	
	Motorola	MC74HC51	
	NJR	NJU74HC51	
	SGS-Thomson		
		M74HC51	
	Sharp	LR74HC51	
	TI	SN74HC51	
	Toshiba	TC74HC51A	
MM74HC533	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
	Motorola	MC74HC533A	
	NJR	NJU74HC533	
	SGS-Thomson		
		M74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
MM74HC534	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
	Motorola	MC74HC534A	
	NJR	NJU74HC534	
	SGS-Thomson		
		M74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
MM74HC540	Harris	CD74HC540	
	Hitachi	HD74HC540	
	Mitsubishi	M74HC540	
	Motorola	MC74HC540	
	SGS-Thomson		
		M74HC540	
	Signetics	74HC540	
	TI	SN74HC540	
	Toshiba	TC74HC540A	
MM74HC541	Harris	CD74HC541	
	Hitachi	HD74HC541	
	Mitsubishi	M74HC541	
	Motorola	MC74HC541	
	SGS-Thomson		
		M74HC541	
	Sharp	LR74HC541	
	Signetics	74HC541	
	TI	SN74HC541	
	Toshiba	TC74HC541A	
MM74HC563	Harris	CD74HC563	
	Hitachi	HD74HC563	
	Motorola	MC74HC563	
	SGS-Thomson		
		M74HC563	
	Sharp	LR74HC563	
	Signetics	74HC563	
	TI	SN74HC563	
	Toshiba	TC74HC563A	
MM74HC564	Harris	CD74HC564	
	Hitachi	HD74HC564	
	Motorola	MC74HC564	
	SGS-Thomson		
		M74HC564	
	Sharp	LR74HC564	
	Signetics	74HC564	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC564			(Cont'd)
	TI	SN74HC564	
	Toshiba	TC74HC564A	
MM74HC573	Harris	CD74HC573	
	Hitachi	HD74HC573	
	Motorola	MC74HC573A	
	SGS-Thomson		
		M74HC573	
	Signetics	74HC573	
	TI	SN74HC573	
	Toshiba	TC74HC573A	
MM74HC574	Harris	CD74HC574	
	Hitachi	HD74HC574	
	Motorola	MC74HC574A	
	SGS-Thomson		
		M74HC574	
	Sharp	LR74HC574	
	Signetics	74HC574	
	TI	SN74HC574	
	Toshiba	TC74HC574A	
MM74HC58	Motorola	MC74HC58	
	NJR	NJU74HC58	
	Sharp	LR74HC58	
MM74HC589	Hitachi	HD74HC589	
	Motorola	MC74HC589	
MM74HC590	Hitachi	HD74HC590	
	SGS-Thomson		
		M74HC590	
	TI	SN74HC590A	
	Toshiba	TC74HC590	
MM74HC592	Hitachi	HD74HC592	
	SGS-Thomson		
		M74HC592	
	Toshiba	TC74HC592	
MM74HC593	Hitachi	HD74HC593	
	SGS-Thomson		
		M74HC593	
	Toshiba	TC74HC593A	
MM74HC595	Hitachi	HD74HC595	
	Mitsubishi	M74HC595	
	SGS-Thomson		
		M74HC595	
	Sharp	LR74HC595	
	TI	SN74HC595	
	Toshiba	TC74HC595A	
MM74HC597	Harris	CD74HC597	
	Hitachi	HD74HC597	
	Motorola	MC74HC597	
	SGS-Thomson		
		M74HC597	
	Sharp	LR74HC597	
	Signetics	74HC597	
	Toshiba	TC74HC597A	
MM74HC620	Hitachi	HD74HC620	
	NJR	NJU74HC620	
	SGS-Thomson		
		M74HC620	
	TI	SN74HC620	
	Toshiba	TC74HC620A	
MM74HC623	Hitachi	HD74HC623	
	NJR	NJU74HC623	
	SGS-Thomson		
		M74HC623	
	TI	SN74HC623	
	Toshiba	TC74HC623A	
MM74HC640	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
	Motorola	MC74HC640A	
	NJR	NJU74HC640	
	SGS-Thomson		
		M74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	
MM74HC643	Harris	CD74HC643	
	Hitachi	HD74HC643	
	Mitsubishi	M74HC643	
		M74HC643-1	
	NJR	NJU74HC643	
	SGS-Thomson		
		M74HC643	
	Sharp	LR74HC643	
	Signetics	74HC643	
	TI	SN74HC643	
	Toshiba	TC74HC643A	
MM74HC646	Harris	CD74HC646	
	Motorola	MC74HC646	
	SGS-Thomson		
		M74HC646	
	Signetics	74HC646	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MM74HC646			(Cont'd)
	TI	SN74HC646	
	Toshiba	TC74HC646A	
MM74HC648	Harris	CD74HC648	
	Motorola	MC74HC648	
	SGS-Thomson		
		M74HC648	
	Signetics	74HC648	
	TI	SN74HC648	
	Toshiba	TC74HC648A	
MM74HC688	Harris	CD74HC688	
	Hitachi	HD74HC688	
	Motorola	MC74HC688	
	SGS-Thomson		
		M74HC688	
	Sharp	LR74HC688	
	Signetics	74HC688	
	TI	SN74HC688	
	Toshiba	TC74HC688A	
MM74HC7266			
	Harris	CD74HC7266	
	Motorola	MC74HC7266	
	SGS-Thomson		
		M74HC7266	
	Signetics	74HC7266	
	TI	SN74HC7266	
	Toshiba	TC74HC7266A	
MM74HC73	Harris	CD74HC73	
	Hitachi	HD74HC73	
	Mitsubishi	M74HC73	
	Motorola	MC74HC73	
	SGS-Thomson		
		M74HC73	
	Signetics	74HC73	
	TI	SN74HC73	
	Toshiba	TC74HC73A	
MM74HC74	GoldStar	GD74HC74	
	Harris	CD74HC74	
	Hitachi	HD74HC74	
	Mitsubishi	M74HC74	
	Motorola	MC74HC74A	
	NJR	NJU74HC74	
	SGS-Thomson		
		M74HC74	
	Sharp	LR74HC74	
	Signetics	74HC74	
	TI	SN74HC74	
	Toshiba	TC74HC74A	
MM74HC75	Harris	CD74HC75	
	Hitachi	HD74HC75	
	Mitsubishi	M74HC75	
	Motorola	MC74HC75	
	SGS-Thomson		
		M74HC75	
	Sharp	LR74HC75	
	Signetics	74HC75	
	TI	SN74HC75	
	Toshiba	TC74HC75A	
MM74HC76	Hitachi	HD74HC76	
	Mitsubishi	M74HC76	
	Motorola	MC74HC76	
	SGS-Thomson		
		M74HC76	
	Sharp	LR74HC76	
	TI	SN74HC76	
	Toshiba	TC74HC76A	
MM74HC85	Harris	CD74HC85	
	Hitachi	HD74HC85	
	Mitsubishi	M74HC85	
	Motorola	MC74HC85	
	NJR	NJU74HC85	
	SGS-Thomson		
		M74HC85	
	Sharp	LR74HC85	
	Signetics	74HC85	
	TI	SN74HC85	
	Toshiba	TC74HC85A	
MM74HC86	Harris	CD74HC86	
	Hitachi	HD74HC86	
	Mitsubishi	M74HC86	
	Motorola	MC74HC86	
	NJR	NJU74HC86	
	SGS-Thomson		
		M74HC86	
	Sharp	LR74HC86	
	Signetics	74HC86	
	TI	SN74HC86	
	Toshiba	TC74HC86A	
MM80C97	GoldStar	GD40097	
MM80C98	GoldStar	GD40098	
MM8629	GEC Plessey	SP8629	
M72025	Micro-C	72025	
M79V004	Micro-C	79V004	

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
National Semiconductor (Cont'd)			
NHM0026	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
NMC2114	Krueger	21C14-150	
		21C14-200	
		21C14-450	
NMC2147	Cypress	CY2147	
		CY7C147	
	Krueger	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
NMC2148	AMD	AM2148	
	Cypress	CY21L48	
		CY2148	
		CY7C148	
NMC27CP128			
	Micro-C	27CP128	
NMC27C010	AMD	AM27C010	
	Krueger	27C010	
	NEC	μPD27C1001	
NMC27C020	AMD	AM27C020	
NMC27C1023	Catalyst		
	Semi	CAT27010	
	Waferscale	WS27C010	
NMC27C1024	Catalyst		
	Semi	CAT27C210	
	Krueger	27C210	
	NEC	μPD27C1024	
	Waferscale	WS27C210	
NMC27C128	AMD	AM27C128	
	Krueger	27C128-200	
		27C128-250	
	Micro-C	27C128	
	Microchip	27C128	
NMC27C16	Micro-C	27C16	
NMC27C256	AMD	AM27C256	
	Micro-C	27C256	
	Microchip	27C256	
	SEEQ	27C256	
	Waferscale	WS27C256	
NMC27C256-150			
	Signetics	27C256-15	
NMC27C512	AMD	AM27C512	
	Krueger	27C512-150	
		27C512-200	
		27C512-250	
	Microchip	27C512	
	Waferscale	WS27C512	
NMC27C512-200			
	Signetics	27C512-20	
NMC27C64	AMD	AM27C64	
	Krueger	27C64-200	
		27C64-250	
		27C64-300	
	Micro-C	27C64	
NMC27128	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
NMC2732	Micro-C	2732	
NMC2816	Catalyst		
	Semi	CAT28C16	
NMC3764	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
NMC8917	Microchip	28C17	
NMC93CS46	EXEL	XL93CS46	
NMC93CS56	Samsung	KM93CS56	
NMC93CS66	Samsung	KM93CS66	
NMC93C06	EXEL	XL93LC06	
NMC93C46	EXEL	XL93C46	
		XL93LC46	
	ICT	93C46	
NMC93C46N	ICT	93C46AP	
		93C46P	
NMC93C56	EXEL	XL93C56	
		XL93LC56	
	ICT	93C56	
	Samsung	KM93C56	
NMC93C56N	ICT	93C56AP	
NMC93C66	EXEL	XL93C66	
		XL93LC66	
	ICT	93C66	
	Samsung	KM93C66	
NMC93C66N	ICT	93C66AP	
NMC9306	EXEL	XL93LC06	
	Samsung	KM93C06	
NMC9307	Samsung	KM93C07	
NMC9314	EXEL	XL93LC46	
NMC9341	EXEL	XL93C46	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
NMC9346	**Catalyst Semi**	**CAT93C46**	**(3424)**
	EXEL	XL93C46	
	ICT	93C46	
	OKI	MSM16811	
	Samsung	KM93C46	
NMC9346EN	ICT	93C46API	
		93C46PI	
NMC9346M	ICT	93C46AK	
NMC9346MN	ICT	93C46ACM	
		93C46CM	
NMC9346N	ICT	93C46AP	
		93C46P	
NMC98C64	Microchip	28CP64	
	NEC	μPD28C64	
NMC9816	Microchip	28C16	
NM100492	IDT	IDT100496	
NM100494	IDT	IDT100494	
NM100504	IDT	IDT100504	
NM10494	IDT	IDT10494	
NM27C256-200			
	Signetics	27C256-20	
NM27C256E150			
	Signetics	27C256I-15	
NM27C256E200			
	Signetics	27C256I-20	
NM27C512-150			
	Signetics	27C512-15	
NM27C512-170			
	Signetics	27C512-17	
NM27C512AVE150			
	Signetics	27C512I-15A	
NM27C512E150			
	Signetics	27C512I-15	
NM27C512E200			
	Signetics	27C512I-20	
NM27C64-150			
	Signetics	27C64-15	
NM27C64-200			
	Signetics	27C64A-20	
NM27C64N150PC			
	Signetics	27C64-15N	
NM2758	Micro-C	2758	
NM2764	**Krueger**	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
NM4492	IDT	IDT10496	
NM5104	IDT	IDT101504	
NSC800	SMC	MPU800	
NSC810	SMC	MPU810	
NSC830	SMC	MPU830	
NSC831	SMC	MPU831	
NSC858	SMC	COM8017	
NS16C450	Exar	XR16C450	
	Siemens	SAB16C450	
NS16450	**Krueger**	**16450**	**(3548)**
	Micro-C	16450	
	UMC	UM82450	
NS16550	Micro-C	16550	
	UMC	UM82C550	
NS32032	National	NS32032	
NS32201	Micro-C	32201	
NS455	SMC	CRT9028	
		CRT9053	
		CRT9128	
		CRT9153	
NS58167	UMC	UM82C8167	
NS8250	Micro-C	8250	
	UMC	UM8250	
NS8464	Signetics	AM6012	
N3101	AMD	AM27S02	
PAL10H8	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL10L8	AMD	PAL10L8	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL10016	Cypress	CY100E301	
		CY100E302	
PAL1016	Cypress	CY10E301	
		CY10E302	
PAL12H6	AMD	PAL12H6	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL12L10	AMD	PAL12L10	
	Cypress	CYPLDC20G10	
	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Samsung	CPL20L10	
	TI	TIBPAL22V10	
PAL12L6	Lattice	GAL16V8	
	TI	TIBPAL16L8	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
PAL14H4	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL14L4	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL14L8	AMD	PAL14L8	
	Cypress	CYPLDC20G10	
	Lattice	GAL20V8	
	Samsung	CPL20L8	
	TI	TIBPAL20L8	
		TIBPAL22V10	
PAL16H2	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL16L2	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PAL16L6	AMD	PAL16L6	
	Cypress	CYPLDC20G10	
	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Lattice	GAL20V8	
	Samsung	CPL20L8	
	TI	TIBPAL20L8	
PAL16L8	Cypress	CYPALC16L8	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16L8	
	TI	TIBPAL16L8	
PAL16RP4	ICT	PEEL18CV8	
PAL16RP6	ICT	PEEL18CV8	
PAL16RP8	ICT	PEEL18CV8	
PAL16R4	Cypress	CYPALC16R4	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16R4	
	TI	TIBPAL16R4	
PAL16R6	Cypress	CYPALC16R6	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16R6	
	TI	TIBPAL16R6	
PAL16R8	Cypress	CYPALC16R8	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16R8	
	TI	TIBPAL16R8	
PAL164	Cypress	CYPALC16R4	
PAL18L4	AMD	PAL18L4	
	Cypress	CYPLDC20G10	
	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Lattice	GAL20V8	
	Samsung	CPL20L8	
	TI	TIBPAL20L8	
PAL18P8	ICT	PEEL18CV8	
PAL20C1	AMD	PAL20C1	
PAL20L10	Cypress	CYPLDC20G10	
	Lattice	GAL22V10	
	Samsung	CPL20L10	
	TI	TIBPAL22V10	
PAL20L2	AMD	PAL20L2	
	Cypress	CYPLDC20G10	
	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Lattice	GAL20V8	
	TI	TIBPAL20L8	
PAL20L8	Cypress	CYPLDC20G10	
	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Lattice	GAL20V8	
	Samsung	CPL20L8	
	TI	TIBPAL20L8	
PAL20P8	Lattice	GAL20V8	
PAL20RA10	AMD	PAL20RA10	
	Lattice	GAL20RA10	
	SEEQ	DM20RA10	
		DQ20RA10	
		NQ20RA10	
		PQ20RA10	
PAL20RP4	Lattice	GAL20V8	
PAL20RP6	Lattice	GAL20V8	
PAL20RP8	Lattice	GAL20V8	
PAL20R4	Cypress	CYPLDC20G10	
	ICT	PEEL20CG10	
	Lattice	GAL20V8	
	Samsung	CPL20R4	
	TI	TIBPAL20R4	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
PAL20R6	Cypress	CYPLDC20G10	
	ICT	PEEL20CG10	
	Lattice	GAL20V8	
	Samsung	CPL20R6	
	TI	TIBPAL20R6	
PAL20R8	Cypress	CYPLDC20G10	
	ICT	PEEL20CG10	
	Lattice	GAL20V8	
	Samsung	CPL20R8	
	TI	TIBPAL20R8	
PAL20X10	Lattice	GAL22V10	
	TI	TIBPAL20V10	
		TIBPAL22V10	
PAL20X4	Lattice	GAL22V10	
	TI	TIBPAL22V10	
PAL20X8	Lattice	GAL22V10	
	TI	TIBPAL22V10	
PM248	**AD**	**PM248**	**(3342)**
P8251	Krueger	8251	
P8253	Krueger	8253	
SCX6244	Micro-C	6244	
	Samsung	TXT4000	
SG3524	Samsung	KA3524	
SH123	LinearTech	LM123	
		LT1003	
		LT1023	
		LT123	
SH323	LinearTech	LT1003	
		LT323	
	National	LM323	
SL82632	Micro-C	82632	
S2960	AMD	AM2960	
♦ S8806	Lansdale	SL8806	
TDA2560	Gould AMI	S2560	
TLC532	TI	TLC532	
TL074MJ	TI	TL074MJ	
TL082	Motorola	MC33282	
TP3020	Samsung	KT8520	
TP3021	Samsung	KT8521	
TP3040	CMD Micro	CM8912B	
	Samsung	KT3040	
TP3054	Samsung	KT8554	
TP3056	GEC Plessey	MV3056	
TP3057	GEC Plessey	MV3057	
	Samsung	KT8557	
TP3064	Samsung	KT8564	
TP3067	Samsung	KT8567	
TP3155	Samsung	KT8555	
TP5087	GEC Plessey	MV5087	
	UMC	UM95087	
TP5089	GEC Plessey	MV5089	
	UMC	UM95089	
TP5116	Samsung	KT5116	
TP53144	UMC	UM9151	
TP53190	UMC	UM9151	
TP5393	UMC	UM9151	
TP5395	UMC	UM95088	
TP5605	UMC	UM91611	
TP5615	UMC	UM91611	
TP5660	UMC	UM91260	
		UM91261	
TP5700	Samsung	KA2425	
UA723LMQB	TI	UA723MFKB	
UC1842	Signetics	UC1842	
UC3842	Signetics	UC3842	
VM27C256	Waferscale	WS27C256	
100101	**Synergy**	**SY100S301**	**(3709)**
100102	**Synergy**	**SY100S302**	**(3709)**
100104	**Synergy**	**SY100S304**	**(3709)**
100107	**Synergy**	**SY100S307**	**(3709)**
100112	Micro-C	100112	
100113	**Synergy**	**SY100S313**	**(3709)**
100114	**Synergy**	**SY100S314**	**(3709)**
100117	**Synergy**	**SY100S317**	**(3709)**
100118	**Synergy**	**SY100S318**	**(3709)**
100122	**Synergy**	**SY100S322**	**(3709)**
100131	Micro-C	100131	
	Synergy	SY100S331	
100136	Micro-C	100136	
	Synergy	**SY100S336**	**(3709)**
100141	**Synergy**	**SY100S341**	**(3709)**
100145	Micro-C	100145	
100150	**Synergy**	**SY100S350**	**(3709)**
100151	**Synergy**	**SY100S351**	**(3709)**
100155	**Synergy**	**SY100S355**	**(3709)**
100156	Synergy	SY100S356	
100158	Micro-C	100158	
100160	Micro-C	100160	
	Synergy	**SY100S360**	**(3709)**
100163	**Synergy**	**SY100S363**	**(3709)**
100164	**Synergy**	**SY100S364**	**(3709)**
100165	Synergy	SY100S365	
100166	**Synergy**	**SY100S366**	**(3709)**
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
100170	Micro-C	100170	
	Synergy	**SY100S370**	**(3709)**
100171	Micro-C	100171	
	Synergy	**SY100S371**	**(3709)**
100194	Micro-C	100194	
11C05	GEC Plessey	SP8610	
11C60	STC	SLG8001	
11C70	GEC Plessey	SP1670	
11C90	GEC Plessey	SP8680	
		SP8685	
11C91	GEC Plessey	SP8740	
♦ 180051	Lansdale	ML1900	
♦ 180059	Lansdale	ML1800	
♦ 180151	Lansdale	ML1901	
♦ 180159	Lansdale	ML1801	
♦ 180251	Lansdale	ML1902	
♦ 180259	Lansdale	ML1802	
♦ 180351	Lansdale	ML1903	
♦ 180359	Lansdale	ML1803	
♦ 180451	Lansdale	ML1904	
♦ 180459	Lansdale	ML1804	
♦ 180551	Lansdale	ML1905	
♦ 180559	Lansdale	ML1805	
♦ 180651	Lansdale	ML1906	
♦ 180659	Lansdale	ML1806	
♦ 180751	Lansdale	ML1907	
♦ 180759	Lansdale	ML1807	
♦ 180851	Lansdale	ML1908	
♦ 180859	Lansdale	ML1808	
♦ 180951	Lansdale	ML1909	
♦ 180959	Lansdale	ML1809	
♦ 181051	Lansdale	ML1910	
♦ 181059	Lansdale	ML1810	
♦ 181151	Lansdale	ML1911	
♦ 181159	Lansdale	ML1811	
♦ 181251	Lansdale	ML1912	
♦ 181259	Lansdale	ML1812	
♦ 181451	Lansdale	ML1914	
♦ 181459	Lansdale	ML1814	
♦ 181651	Lansdale	ML1916	
♦ 181659	Lansdale	ML1816	
2114	AMD	AM91L14	
		AM9114	
25S05	AMD	AM25S05	
2708	Micro-C	2708	
2716	Micro-C	2716	
2841	GEC Plessey	MJ2841	
		MV66401	
29F01	Waferscale	WS5901	
29F10	**Waferscale**	**WS59510**	**(3753)**
29F52	AMD	AM2952	
29F60	AMD	AM2960	
3046	GEC Plessey	SL3046	
3145	GEC Plessey	SL3145	
♦ 3262	Lansdale	FL3262	
♦ 3341	Lansdale	FL3341	
	National	MJ2841	
♦ 3342	Lansdale	FL3342	
♦ 3348	Lansdale	FL3348	
♦ 3349	Lansdale	FL3349	
♦ 3351	Lansdale	FL3351	
♦ 3357	Lansdale	FL3357	
3572	National	LH0021	
♦ 3708	Lansdale	FL3708	
5204	Hughes	H1831	
		H1832	
5232	Hughes	H1831	
		H1832	
5233	Hughes	H1831	
		H1832	
54ACT00	Harris	CD54ACT00	
54ACT04	Harris	CD54ACT04	
54ACT08	Harris	CD54ACT08	
♦ 54ACT109	Harris	CD54ACT109	
54ACT112	Harris	CD54ACT112	
54ACT138	Harris	CD54ACT138	
54ACT139	Harris	CD54ACT139	
54ACT151	Harris	CD54ACT151	
54ACT153	Harris	CD54ACT153	
54ACT157	Harris	CD54ACT157	
54ACT158	Harris	CD54ACT158	
54ACT161	Harris	CD54ACT161	
54ACT163	Harris	CD54ACT163	
54ACT164	Harris	CD54ACT164	
54ACT174	Harris	CD54ACT174	
54ACT175	Harris	CD54ACT175	
54ACT240	Harris	CD54ACT240	
	VTC	V54ACT240	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
54ACT241	Harris	CD54ACT241	
	VTC	V54ACT241	
54ACT244	Harris	CD54ACT244	
	VTC	V54ACT244	
54ACT245	Harris	CD54ACT245	
	VTC	V54ACT245	
54ACT251	Harris	CD54ACT251	
54ACT253	Harris	CD54ACT253	
54ACT257	Harris	CD54ACT257	
54ACT258	Harris	CD54ACT258	
54ACT273	Harris	CD54ACT273	
54ACT280	Harris	CD54ACT280	
54ACT283	Harris	CD54ACT283	
54ACT299	Harris	CD54ACT299	
54ACT32	Harris	CD54ACT32	
54ACT323	Harris	CD54ACT323	
54ACT373	Harris	CD54ACT373	
	VTC	V54ACT373	
54ACT374	Harris	CD54ACT374	
	VTC	V54ACT374	
♦ 54ACT533	Harris	CD54ACT533	
	VTC	V54ACT533	
54ACT534	Harris	CD54ACT534	
	VTC	V54ACT534	
54ACT540	Harris	CD54ACT540	
	VTC	V54ACT540	
54ACT541	Harris	CD54ACT541	
	VTC	V54ACT541	
54ACT563	Harris	CD54ACT563	
	VTC	V54ACT563	
54ACT564	Harris	CD54ACT564	
	VTC	V54ACT564	
54ACT573	Harris	CD54ACT573	
	VTC	V54ACT573	
54ACT574	Harris	CD54ACT574	
		CD54ACT574A	
	VTC	V54ACT574	
54ACT646	Harris	CD54ACT646	
54ACT74	Harris	CD54ACT74	
54ACT821	VTC	V54ACT821	
♦ 54ACT822	VTC	V54ACT822	
54ACT823	VTC	V54ACT823	
54ACT825	VTC	V54ACT825	
54ACT827	VTC	V54ACT827	
54ACT841	VTC	V54ACT841	
♦ 54ACT842	VTC	V54ACT842	
54ACT843	VTC	V54ACT843	
54ACT845	VTC	V54ACT845	
54AC00	Harris	CD54AC00	
54AC02	Harris	CD54AC02	
54AC04	Harris	CD54AC04	
54AC08	Harris	CD54AC08	
54AC10	Harris	CD54AC10	
54AC109	Harris	CD54AC109	
54AC112	Harris	CD54AC112	
54AC138	Harris	CD54AC138	
54AC139	Harris	CD54AC139	
54AC151	Harris	CD54AC151	
54AC153	Harris	CD54AC153	
54AC157	Harris	CD54AC157	
54AC158	Harris	CD54AC158	
54AC161	Harris	CD54AC161	
54AC163	Harris	CD54AC163	
54AC164	Harris	CD54AC164	
54AC174	Harris	CD54AC174	
54AC175	Harris	CD54AC175	
54AC191	Harris	CD54AC191	
54AC20	Harris	CD54AC20	
54AC240	Harris	CD54AC240	
54AC241	Harris	CD54AC241	
54AC244	Harris	CD54AC244	
54AC245	Harris	CD54AC245	
54AC251	Harris	CD54AC251	
54AC253	Harris	CD54AC253	
54AC257	Harris	CD54AC257	
54AC280	Harris	CD54AC280	
54AC283	Harris	CD54AC283	
54AC299	Harris	CD54AC299	
54AC32	Harris	CD54AC32	
♦ 54AC323	Harris	CD54AC323	
54AC373	Harris	CD54AC373	
54AC374	Harris	CD54AC374	
54AC540	Harris	CD54AC540	
54AC541	Harris	CD54AC541	
♦ 54AC563	Harris	CD54AC563	
♦ 54AC564	Harris	CD54AC564	
♦ 54AC573	Harris	CD54AC573	
54AC574	Harris	CD54AC574	
54AC646	Harris	CD54AC646	
54AC648	Harris	CD54AC648	
54AC74	Harris	CD54AC74	
♦ 54AC86	Harris	CD54AC86	
54FCT138	IDT	IDT54FCT138	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
54FCT240	IDT	IDT54FCT240	
54FCT241	IDT	IDT54FCT241	
54FCT244	IDT	IDT54FCT244	
54FCT245	IDT	IDT54FCT245	
54FCT373	IDT	IDT54FCT373	
54FCT374	IDT	IDT54FCT374	
54FCT533	IDT	IDT54FCT533	
54FCT540	IDT	IDT54FCT540	
54FCT541	IDT	IDT54FCT541	
54FCT573	IDT	IDT54FCT573	
54F00	Motorola	MC54F00	
	Signetics	54F00	
	TI	SN54F00	
54F02	Motorola	MC54F02	
	TI	SN54F02	
54F04	Motorola	MC54F04	
	Signetics	54F04	
	TI	SN54F04	
54F08	Motorola	MC54F08	
54F10	Motorola	MC54F10	
	TI	SN54F10	
54F109	Motorola	MC54F109	
	TI	SN54F109	
54F11	Motorola	MC54F11	
	TI	SN54F11	
54F112	Motorola	MC54F112	
	TI	SN54F112	
54F113	TI	SN54F113	
54F114	TI	SN54F114	
54F125	Motorola	MC54F125	
♦ 54F126	Motorola	MC54F126	
54F13	Motorola	MC54F13	
54F132	Motorola	MC54F132	
54F138	Motorola	MC54F138	
	TI	SN54F138	
54F139	Motorola	MC54F139	
	Signetics	54F139	
54F14	Motorola	MC54F14	
54F148	Motorola	MC54F148	
54F151	Motorola	MC54F151	
	TI	SN54F151	
54F153	Motorola	MC54F153	
	TI	SN54F153	
54F157	Motorola	MC54F157	
	Signetics	54F157	
	TI	SN54F157A	
54F158	Motorola	MC54F158	
	Signetics	54F158	
	TI	SN54F158A	
54F160A	TI	SN54F160A	
54F161A	TI	SN54F161A	
54F162A	TI	SN54F162A	
54F163A	TI	SN54F163A	
54F164	Motorola	MC54F164	
	National	54F164A	
54F164A	Motorola	MC54F164	
	National	54F164	
54F168	Motorola	MC54F168	
	TI	SN54F168	
54F169	Motorola	MC54F169	
	TI	SN54F169	
54F174	Motorola	MC54F174	
	TI	SN54F174	
54F175	Motorola	MC54F175	
	TI	SN54F175	
54F181	Motorola	MC54F181	
	Signetics	54F181	
54F182	Motorola	MC54F182	
54F20	Motorola	MC54F20	
	Signetics	54F20	
	TI	SN54F20	
54F240	Signetics	54F240	
	TI	SN54F240	
54F241	Motorola	MC54F241	
	Signetics	54F241	
	TI	SN54F241	
54F242	Motorola	MC54F242	
	Signetics	54F242	
	TI	SN54F242	
54F243	Motorola	MC54F243	
	Signetics	54F243	
	TI	SN54F243	
54F244	Motorola	MC54F244	
	Signetics	54F244	
	TI	SN54F244	
54F245	Motorola	MC54F245	
	Signetics	54F245	
	TI	SN54F245	
54F251A	Motorola	MC54F251	
	TI	SN54F251	
54F253	Motorola	MC54F253	
	TI	SN54F253	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
54F257	Motorola	MC54F257	
	Signetics	54F257	
	TI	SN54F257	
54F258	Motorola	MC54F258	
	Signetics	54F258	
	TI	SN54F258	
54F269	Motorola	MC54F269	
	Signetics	54F269	
54F27	TI	SN54F27	
54F273	Signetics	54F273	
	TI	SN54F273	
54F280	Motorola	MC54F280	
	Signetics	54F280	
	TI	SN54F280B	
54F283	Motorola	MC54F283	
	TI	SN54F283	
♦ 54F299	Motorola	MC54F299	
	TI	SN54F299	
54F30	TI	SN54F30	
♦ 54F3037	Signetics	54F3037	
♦ 54F3040	Signetics	54F3040	
54F32	Motorola	MC54F32	
	TI	SN54F32	
54F323	Motorola	MC54F323	
54F350	Motorola	MC54F350	
	TI	SN54F350	
54F352	Motorola	MC54F352	
	TI	SN54F352	
54F353	Motorola	MC54F353	
	TI	SN54F353	
54F365	Motorola	MC54F365	
	Signetics	54F365	
54F366	Motorola	MC54F366	
	Signetics	54F366	
♦ 54F367	Motorola	MC54F367	
	Signetics	54F367	
54F368	Motorola	MC54F368	
	Signetics	54F368	
54F37	TI	SN54F37	
54F373	Motorola	MC54F373	
	Signetics	54F373	
	TI	SN54F373	
54F374	Motorola	MC54F374	
	Signetics	54F374	
	TI	SN54F374	
54F377	Signetics	54F377	
54F378	Motorola	MC54F378	
54F379	Motorola	MC54F379	
	TI	SN54F379	
54F38	TI	SN54F38	
54F381	Motorola	MC54F381	
	TI	SN54F381	
54F382	Motorola	MC54F382	
	TI	SN54F382	
54F398	Motorola	MC54F398	
54F399	Motorola	MC54F399	
54F40	TI	SN54F40	
54F51	Motorola	MC54F51	
	TI	SN54F51	
54F521	Motorola	MC54F521	
	Signetics	54F521	
	TI	SN54F521	
54F533	Motorola	MC54F533	
	Signetics	54F533	
	TI	SN54F533	
54F534	Motorola	MC54F534	
	Signetics	54F534	
	TI	SN54F534	
54F537	Motorola	MC54F537	
54F538	Motorola	MC54F538	
54F539	Motorola	MC54F539	
54F540	Signetics	54F540	
54F543	TI	SN54F543	
54F544	TI	SN54F544	
54F545	Signetics	54F545	
54F563	TI	SN54F563	
54F573	TI	SN54F573	
54F574	TI	SN54F574	
54F579	Signetics	54F579	
♦ 54F604	Signetics	54F604	
♦ 54F605	Signetics	54F605	
54F620	Signetics	54F620	
	TI	SN54F620	
♦ 54F621	TI	SN54F621	
54F623	TI	SN54F623	
♦ 54F630	Signetics	54F630	
♦ 54F631	Signetics	54F631	
54F64	Motorola	MC54F64	
	Signetics	54F64	
	TI	SN54F64	
54F646	Signetics	54F646	
54F648	Signetics	54F648	
♦ 54F655	Signetics	54F655	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 54F656	Signetics	54F656	
54F657	Motorola	MC54F657A	
		MC54F657B	
	Signetics	54F657	
54F74	Motorola	MC54F74	
	TI	SN54F74	
54F827	Motorola	MC54F827	
54F828	Motorola	MC54F828	
♦ 54F85	Motorola	MC54F85	
54F86	Motorola	MC54F86	
	Signetics	54F86	
♦ 54HCT04	Harris	CD54HCT04	
	Motorola	MC54HCT04A	
	National	MM54HCT04	
	TI	SN54HCT04	
54HCT190	Harris	CD54HCT190	
♦ 54HC00	Harris	CD54HC00	
	Motorola	MC54HC00A	
	National	MM54HC00	
	TI	SN54HC00	
♦ 54HC02	Harris	CD54HC02	
	Motorola	MC54HC02A	
	National	MM54HC02	
	TI	SN54HC02	
♦ 54HC08	Harris	CD54HC08	
	Motorola	MC54HC08A	
	National	MM54HC08	
	TI	SN54HC08	
♦ 54HC10	Harris	CD54HC10	
	Motorola	MC54HC10	
	National	MM54HC10	
	TI	SN54HC10	
♦ 54HC109	Harris	CD54HC109	
	Motorola	MC54HC109	
	National	MM54HC109	
	TI	SN54HC109	
♦ 54HC112	Harris	CD54HC112	
	Motorola	MC54HC112	
	National	MM54HC112	
	TI	SN54HC112	
♦ 54HC125	Harris	CD54HC125	
	Motorola	MC54HC125A	
	National	MM54HC125	
	TI	SN54HC125	
♦ 54HC132	Harris	CD54HC132	
	Motorola	MC54HC132A	
	National	MM54HC132	
	TI	SN54HC132	
♦ 54HC133	Motorola	MC54HC133	
	National	MM54HC133	
	TI	SN54HC133	
♦ 54HC138	Harris	CD54HC138	
	Motorola	MC54HC138A	
	National	MM54HC138	
	TI	SN54HC138	
♦ 54HC139	Harris	CD54HC139	
	Motorola	MC54HC139A	
	National	MM54HC139	
	TI	SN54HC139	
♦ 54HC14	Harris	CD54HC14	
	Motorola	MC54HC14A	
	National	MM54HC14	
	TI	SN54HC14	
♦ 54HC147	Harris	CD54HC147	
	Motorola	MC54HC147	
	National	MM54HC147	
♦ 54HC151	Harris	CD54HC151	
	Motorola	MC54HC151	
	National	MM54HC151	
	TI	SN54HC151	
♦ 54HC153	Harris	CD54HC153	
	Motorola	MC54HC153	
	National	MM54HC153	
	TI	SN54HC153	
♦ 54HC154	Harris	CD54HC154	
	Motorola	MC54HC154	
	National	MM54HC154	
♦ 54HC160	Harris	CD54HC160	
	Motorola	MC54HC160	
	National	MM54HC160	
	TI	SN54HC160	
♦ 54HC162	Harris	CD54HC162	
	Motorola	MC54HC162	
	National	MM54HC162	
♦ 54HC163	Harris	CD54HC163	
	National	MM54HC163	
	TI	SN54HC163	
♦ 54HC164	Harris	CD54HC164	
	Motorola	MC54HC164	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 54HC164			(Cont'd)
	National	MM54HC164	
	TI	SN54HC164	
♦ 54HC165	Harris	CD54HC165	
	Motorola	MC54HC165	
	National	MM54HC165	
	TI	SN54HC165	
♦ 54HC173	Harris	CD54HC173	
	Motorola	MC54HC173	
	National	MM54HC173	
	TI	SN54HC173	
♦ 54HC175	Harris	CD54HC175	
	Motorola	MC54HC175	
	National	MM54HC175	
	TI	SN54HC175	
♦ 54HC192	Harris	CD54HC192	
	National	MM54HC192	
	TI	SN54HC192	
♦ 54HC193	Harris	CD54HC193	
	National	MM54HC193	
	TI	SN54HC193	
♦ 54HC195	Harris	CD54HC195	
	Motorola	MC54HC195	
	National	MM54HC195	
	TI	SN54HC195	
♦ 54HC20	Harris	CD54HC20	
	Motorola	MC54HC20	
	National	MM54HC20	
	TI	SN54HC20	
♦ 54HC221	Harris	CD54HC221	
	National	MM54HC221A	
♦ 54HC240	Harris	CD54HC240	
	Motorola	MC54HC240A	
	National	MM54HC240	
	Signetics	54HC240	
	TI	SN54HC240	
♦ 54HC241	Harris	CD54HC241	
	Motorola	MC54HC241A	
	National	MM54HC241	
	TI	SN54HC241	
♦ 54HC242	Harris	CD54HC242	
	Motorola	MC54HC242	
	National	MM54HC242	
	TI	SN54HC242	
♦ 54HC243	Harris	CD54HC243	
	National	MM54HC243	
	TI	SN54HC243	
♦ 54HC244	Harris	CD54HC244	
	Motorola	MC54HC244A	
	National	MM54HC244	
	Signetics	54HC244	
	TI	SN54HC244	
♦ 54HC245	Harris	CD54HC245	
	National	MM54HC245	
		MM54HC245A	
♦ 54HC245	TI	SN54HC245	
♦ 54HC251	Harris	CD54HC251	
	Motorola	MC54HC251	
	National	MM54HC251	
	TI	SN54HC251	
♦ 54HC253	Harris	CD54HC253	
	Motorola	MC54HC253	
	National	MM54HC253	
	TI	SN54HC253	
♦ 54HC257	Harris	CD54HC257	
	Motorola	MC54HC257	
	National	MM54HC257	
	TI	SN54HC257	
♦ 54HC259	Harris	CD54HC259	
	Motorola	MC54HC259	
	National	MM54HC259	
	TI	SN54HC259	
♦ 54HC27	Harris	CD54HC27	
	Motorola	MC54HC27	
	National	MM54HC27	
	TI	SN54HC27	
♦ 54HC273	Harris	CD54HC273	
	Motorola	MC54HC273A	
	National	MM54HC273	
	TI	SN54HC273	
♦ 54HC280	Harris	CD54HC280	
	Motorola	MC54HC280	
	National	MM54HC280	
	TI	SN54HC280	
♦ 54HC283	Harris	CD54HC283	
	National	MM54HC283	
♦ 54HC299	Harris	CD54HC299	
	Motorola	MC54HC299	
	National	MM54HC299	
♦ 54HC30	Harris	CD54HC30	
	Motorola	MC54HC30	
	National	MM54HC30	
	TI	SN54HC30	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 54HC32	Harris	CD54HC32	
	Motorola	MC54HC32A	
	National	MM54HC32	
	TI	SN54HC32	
♦ 54HC365	Harris	CD54HC365	
	Motorola	MC54HC365	
	National	MM54HC365	
	TI	SN54HC365	
♦ 54HC366	Harris	CD54HC366	
	Motorola	MC54HC366	
	National	MM54HC366	
	TI	SN54HC366	
♦ 54HC367	Harris	CD54HC367	
	Motorola	MC54HC367	
	National	MM54HC367	
	TI	SN54HC367	
♦ 54HC368	Harris	CD54HC368	
	Motorola	MC54HC368	
	National	MM54HC368	
	TI	SN54HC368	
♦ 54HC373	Harris	CD54HC373	
	Motorola	MC54HC373A	
	National	MM54HC373	
	TI	SN54HC373	
♦ 54HC374	Harris	CD54HC374	
	Motorola	MC54HC374A	
	National	MM54HC374	
	TI	SN54HC374	
♦ 54HC390	Harris	CD54HC390	
	Motorola	MC54HC390	
	National	MM54HC390	
	TI	SN54HC390	
♦ 54HC393	Harris	CD54HC393	
	Motorola	MC54HC393	
	National	MM54HC393	
	TI	SN54HC393	
♦ 54HC4017	Harris	CD54HC4017	
	Motorola	MC54HC4017	
	National	MM54HC4017	
♦ 54HC4020	Harris	CD54HC4020	
	National	MM54HC4020	
	TI	SN54HC4020	
♦ 54HC4040	Harris	CD54HC4040	
	National	MM54HC4040	
	TI	SN54HC4040	
♦ 54HC4046	Harris	CD54HC4046	
		CD54HC4046A	
♦ 54HC4046	Motorola	MC54HC4046A	
	National	MM54HC4046	
♦ 54HC4049	Harris	CD54HC4049	
	Motorola	MC54HC4049	
	National	MM54HC4049	
♦ 54HC4050	Harris	CD54HC4050	
	Motorola	MC54HC4050	
	National	MM54HC4050	
♦ 54HC4051	Harris	CD54HC4051	
	Motorola	MC54HC4051	
	National	MM54HC4051	
♦ 54HC4052	Harris	CD54HC4052	
	Motorola	MC54HC4052	
	National	MM54HC4052	
♦ 54HC4053	Harris	CD54HC4053	
	Motorola	MC54HC4053	
	National	MM54HC4053	
♦ 54HC42	Harris	CD54HC42	
	Motorola	MC54HC42	
	National	MM54HC42	
	TI	SN54HC42	
♦ 54HC4510	Harris	CD54HC4510	
♦ 54HC4514	Harris	CD54HC4514	
	Motorola	MC54HC4514	
	National	MM54HC4514	
♦ 54HC4516	Harris	CD54HC4516	
♦ 54HC4538	Harris	CD54HC4538	
	Motorola	MC54HC4538A	
	National	MM54HC4538	
♦ 54HC533	Harris	CD54HC533	
	Motorola	MC54HC533A	
	National	MM54HC533	
	TI	SN54HC533	
♦ 54HC534	Harris	CD54HC534	
	Motorola	MC54HC534A	
	National	MM54HC534	
	TI	SN54HC534	
♦ 54HC563	Harris	CD54HC563	
	Motorola	MC54HC563	
	National	MM54HC563	
	TI	SN54HC563	
♦ 54HC564	Harris	CD54HC564	
	Motorola	MC54HC564	
	National	MM54HC564	
	TI	SN54HC564	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 54HC573	Harris	CD54HC573	
	Motorola	MC54HC573A	
	National	MM54HC573	
	TI	SN54HC573	
♦ 54HC574	Harris	CD54HC574	
	Motorola	MC54HC574A	
	National	MM54HC574	
	TI	SN54HC574	
♦ 54HC640	Harris	CD54HC640	
	Motorola	MC54HC640A	
	National	MM54HC640	
	TI	SN54HC640	
♦ 54HC643	Harris	CD54HC643	
	National	MM54HC643	
	TI	SN54HC643	
♦ 54HC645	TI	SN54HC645	
♦ 54HC646	Harris	CD54HC646	
	Motorola	MC54HC646	
	National	MM54HC646	
♦ 54HC648	Harris	CD54HC648	
	Motorola	MC54HC648	
	National	MM54HC648	
♦ 54HC688	Harris	CD54HC688	
	Motorola	MC54HC688	
	National	MM54HC688	
	TI	*SN54HC688*	
♦ 54HC74	Harris	CD54HC74	
	Motorola	MC54HC74A	
	National	MM54HC74	
	TI	SN54HC74	
♦ 54HC75	Harris	CD54HC75	
	Motorola	MC54HC75	
	National	MM54HC75	
	TI	SN54HC75	
♦ 54HC76	Motorola	MC54HC76	
	National	MM54HC76	
♦ 54HC85	Harris	CD54HC85	
	Motorola	MC54HC85	
	National	MM54HC85	
	TI	SN54HC85A	
♦ 54HC86	Harris	CD54HC86	
	Motorola	MC54HC86	
	National	MM54HC86	
	TI	SN54HC86	
♦ 54H00	Lansdale	ML54H00	
		SL54H00	
♦ 54H00	Rochester	54H00	
♦ 54H01	Lansdale	ML54H01	
		SL54H01	
♦ 54H01	Rochester	54H01	
♦ 54H04	Lansdale	ML54H04	
	Rochester	54H04	
♦ 54H05	Lansdale	ML54H05	
	Rochester	54H05	
♦ 54H08	Lansdale	ML54H08	
		SL54H08	
♦ 54H08	Rochester	54H08	
♦ 54H10	Lansdale	ML54H10	
		SL54H10	
♦ 54H10	Rochester	54H10	
♦ 54H101	Lansdale	ML54H101	
		SL54H101	
♦ 54H101	Rochester	54H101	
♦ 54H102	Lansdale	ML54H102	
		SL54H102	
♦ 54H102	Rochester	54H102	
♦ 54H103	Rochester	54H103	
♦ 54H106	Rochester	54H106	
♦ 54H108	Rochester	54H108	
♦ 54H11	Lansdale	ML54H11	
		SL54H11	
♦ 54H11	Rochester	54H11	
♦ 54H183	Rochester	54H183	
♦ 54H20	Lansdale	ML54H20	
		SL54H20	
♦ 54H20	Rochester	54H20	
♦ 54H21	Lansdale	ML54H21	
		SL54H21	
♦ 54H21	Rochester	54H21	
♦ 54H22	Lansdale	ML54H22	
		SL54H22	
♦ 54H22	Rochester	54H22	
♦ 54H30	Lansdale	ML54H30	
		SL54H30	
♦ 54H30	Rochester	54H30	
♦ 54H40	Lansdale	ML54H40	
		SL54H40	
♦ 54H40	Rochester	54H40	
♦ 54H50	Lansdale	ML54H50	
	Rochester	54H50	
♦ 54H51	Lansdale	ML54H51	
	Rochester	54H51	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 54H52	Lansdale	ML54H52	
		SL54H52	
♦ 54H52	Rochester	54H52	
♦ 54H53	Lansdale	ML54H53	
		SL54H53	
♦ 54H53	Rochester	54H53	
♦ 54H54	Lansdale	ML54H54	
		SL54H54	
♦ 54H54	Rochester	54H54	
♦ 54H55	Lansdale	ML54H55	
		SL54H55	
♦ 54H55	Rochester	54H55	
♦ 54H60	Lansdale	ML54H60	
		ML54H61	
		SL54H60	
		SL54H61	
♦ 54H60	Rochester	54H60	
♦ 54H61	Rochester	54H61	
♦ 54H62	Lansdale	ML54H62	
		SL54H62	
♦ 54H62	Rochester	54H62	
♦ 54H71	Lansdale	ML54H71	
		SL54H71	
♦ 54H71	Rochester	54H71	
♦ 54H72	Lansdale	ML54H72	
		SL54H72	
♦ 54H72	Rochester	54H72	
♦ 54H73	Lansdale	ML54H73	
		SL54H73	
♦ 54H73	Rochester	54H73	
♦ 54H74	Lansdale	ML54H74	
		SL54H74	
♦ 54H74	Rochester	54H74	
♦ 54H76	Lansdale	ML54H76	
	Rochester	54H76	
♦ 54H78	Rochester	54H78	
♦ 54H87	Rochester	54H87	
54LS00	Motorola	SN54LS00	
	National	DM54LS00	
	SGS-Thomson		
		T54LS00	
		54LS00	
	Signetics	54LS00	
	TI	SN54LS00	
54LS02	Motorola	SN54LS02	
	National	DM54LS02	
	SGS-Thomson		
		T54LS02	
		54LS02	
	Signetics	54LS02	
	TI	SN54LS02	
54LS03	Motorola	SN54LS03	
	National	DM54LS03	
	SGS-Thomson		
		54LS03	
	Signetics	54LS03	
	TI	SN54LS03	
54LS04	Motorola	SN54LS04	
	National	DM54LS04	
	SGS-Thomson		
		T54LS04	
		54LS04	
	Signetics	54LS04	
	TI	SN54LS04	
54LS05	Motorola	SN54LS05	
	National	DM54LS05	
	SGS-Thomson		
		T54LS05A	
		54LS05	
	Signetics	54LS05	
	TI	SN54LS05	
54LS08	Motorola	SN54LS08	
	National	DM54LS08	
	Signetics	54LS08	
	TI	SN54LS08	
54LS09	Motorola	SN54LS09	
	National	DM54LS09	
	SGS-Thomson		
		T54LS09	
		54LS09	
	Signetics	54LS09	
	TI	SN54LS09	
54LS10	Motorola	SN54LS10	
	National	DM54LS10	
	SGS-Thomson		
		T54LS10	
		54LS10	
	Signetics	54LS10	
	TI	SN54LS10	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS109	Motorola	SN54LS109A	
	National	DM54LS109	
	Signetics	54LS109	
	TI	SN54LS109A	
54LS11	Motorola	SN54LS11	
	National	DM54LS11	
	SGS-Thomson		
		T54LS11	
		54LS11	
	Signetics	54LS11	
	TI	SN54LS11	
54LS112	Motorola	SN54LS112A	
	Signetics	54LS112	
	TI	SN54LS112A	
54LS113	Motorola	SN54LS113A	
	Signetics	54LS113	
54LS114	Motorola	SN54LS114A	
	SGS-Thomson		
		T54LS114	
	TI	SN54LS114A	
♦ 54LS12	Motorola	SN54LS12	
	National	DM54LS12	
	TI	SN54LS12	
♦ 54LS122	Motorola	SN54LS122	
	TI	SN54LS122	
♦ 54LS123	Motorola	SN54LS123	
	TI	SN54LS123	
54LS125A	Motorola	SN54LS125A	
	National	DM54LS125A	
	SGS-Thomson		
		54LS125A	
	Signetics	54LS125A	
	TI	SN54LS125A	
54LS126	Motorola	SN54LS126A	
	SGS-Thomson		
		54LS126	
	Signetics	54LS126A	
	TI	SN54LS126A	
54LS13	Motorola	SN54LS13	
	SGS-Thomson		
		T54LS13	
	Signetics	54LS13	
	TI	SN54LS13	
♦ 54LS132	Motorola	SN54LS132	
	National	DM54LS132	
	SGS-Thomson		
		T54LS132	
		54LS132	
♦ 54LS132	Signetics	54LS132	
		54LS132A	
♦ 54LS132	TI	SN54LS132	
54LS133	Motorola	SN54LS133	
54LS136	Motorola	SN54LS136	
	National	DM54LS136	
	SGS-Thomson		
		T54LS136	
		54LS136	
	Signetics	54LS136	
	TI	SN54LS136	
54LS138	Motorola	SN54LS138	
	National	DM54LS138	
	SGS-Thomson		
		T54LS138	
		54LS138	
	Signetics	54LS138	
	TI	SN54LS138	
54LS139	Motorola	SN54LS139	
	National	DM54LS139	
	SGS-Thomson		
		T54LS139	
		54LS139	
	Signetics	54LS139	
	TI	SN54LS139A	
54LS14	Motorola	SN54LS14	
	SGS-Thomson		
		T54LS14	
		54LS14	
	Signetics	54LS14	
	TI	SN54LS14	
54LS15	Motorola	SN54LS15	
	SGS-Thomson		
		T54LS15	
		54LS15	
	TI	SN54LS15	
54LS151	Motorola	SN54LS151	
	National	DM54LS151	
	SGS-Thomson		
		T54LS151	
		54LS151	
	Signetics	54LS151	
	TI	SN54LS151	
54LS153	Motorola	SN54LS153	
	National	DM54LS153	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS153			(Cont'd)
	Signetics	54LS153	
	TI	SN54LS153	
54LS155	Motorola	SN54LS155	
	National	DM54LS155	
	SGS-Thomson		
		T54LS155	
		54LS155	
	Signetics	54LS155	
	TI	SN54LS155A	
54LS156	Motorola	SN54LS156	
	National	DM54LS156	
	SGS-Thomson		
		T54LS156	
		54LS156	
	Signetics	54LS156	
	TI	SN54LS156	
54LS157	Motorola	SN54LS157	
	National	DM54LS157	
	SGS-Thomson		
		T54LS157	
		54LS157	
	Signetics	54LS157	
	TI	SN54LS157	
54LS158	Motorola	SN54LS158	
	National	DM54LS158	
	SGS-Thomson		
		T54LS158	
		54LS158	
	Signetics	54LS158	
	TI	SN54LS158	
54LS160A	Motorola	SN54LS160A	
	Signetics	54LS160A	
	TI	SN54LS160A	
54LS161	Motorola	SN54LS161A	
	National	DM54LS161A	
	Signetics	54LS161A	
	TI	SN54LS161A	
54LS162A	Motorola	SN54LS162A	
	Signetics	54LS162A	
	TI	SN54LS162A	
54LS163A	Motorola	SN54LS163A	
	National	DM54LS163A	
	Signetics	54LS163A	
	TI	SN54LS163A	
54LS164	Motorola	SN54LS164	
	National	DM54LS164	
	Signetics	54LS164	
		54LS164B	
	TI	SN54LS164	
54LS165	Motorola	SN54LS165	
	Rochester	54LS165A	
	TI	SN54LS165A	
54LS168	Motorola	SN54LS168	
	National	DM54LS168A	
	SGS-Thomson		
		T54LS168	
	Signetics	54LS168A	
54LS169	Motorola	SN54LS169	
	National	DM54LS169A	
	SGS-Thomson		
		T54LS169	
	Signetics	54LS169A	
	TI	SN54LS169B	
54LS170	Motorola	SN54LS170	
	SGS-Thomson		
		T54LS170	
		54LS170	
	Signetics	54LS170	
	TI	SN54LS170	
54LS173A	Motorola	SN54LS173A	
	Signetics	54LS173	
	TI	SN54LS173A	
54LS174	Motorola	SN54LS174	
	National	DM54LS174	
	SGS-Thomson		
		T54LS174	
		54LS174	
	Signetics	54LS174	
	TI	SN54LS174	
54LS175	Motorola	SN54LS175	
	National	DM54LS175	
	SGS-Thomson		
		T54LS175	
		54LS175	
	Signetics	54LS175	
	TI	SN54LS175	
54LS181	Motorola	SN54LS181	
	Signetics	54LS181	
	TI	SN54LS181	
♦ 54LS190	Motorola	SN54LS190	
	National	DM54LS190	
	Signetics	54LS190	
	TI	SN54LS190	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 54LS191	Motorola	SN54LS191	
	National	DM54LS191	
	Signetics	54LS191	
	TI	SN54LS191	
54LS192	Motorola	SN54LS192	
	SGS-Thomson		
		T54LS192	
		54LS192	
	Signetics	54LS192	
	TI	SN54LS192	
54LS193	Motorola	SN54LS193	
	National	DM54LS193	
	SGS-Thomson		
		T54LS193	
		54LS193	
	Signetics	54LS193	
	TI	SN54LS193	
54LS194A	Motorola	SN54LS194A	
	SGS-Thomson		
		T54LS194A	
	Signetics	54LS194A	
	TI	SN54LS194A	
54LS195	Motorola	SN54LS195A	
	SGS-Thomson		
		T54LS195A	
		54LS195A	
	TI	SN54LS195A	
♦ 54LS196	Motorola	SN54LS196	
	TI	SN54LS196	
♦ 54LS197	Motorola	SN54LS197	
	Signetics	54LS197	
	TI	SN54LS197	
54LS20	Motorola	SN54LS20	
	National	DM54LS20	
	SGS-Thomson		
		T54LS20	
		54LS20	
	Signetics	54LS20	
	TI	SN54LS20	
54LS21	Motorola	SN54LS21	
	National	DM54LS21	
	Signetics	54LS21	
	TI	SN54LS21	
54LS22	Motorola	SN54LS22	
	SGS-Thomson		
		T54LS22	
		54LS22	
	TI	SN54LS22	
♦ 54LS221	Motorola	SN54LS221	
	National	DM54LS221	
	Signetics	54LS221	
	TI	SN54LS221	
54LS240	Motorola	SN54LS240	
	National	DM54LS240	
	SGS-Thomson		
		T54LS240	
		54LS240	
	Signetics	54LS240	
	TI	SN54LS240	
54LS241	Motorola	SN54LS241	
	National	DM54LS241	
	Signetics	54LS241	
	TI	SN54LS241	
♦ 54LS242	Motorola	SN54LS242	
	National	DM54LS242	
	Signetics	54LS242	
	TI	SN54LS242	
♦ 54LS243	Motorola	SN54LS243	
	National	DM54LS243	
	Signetics	54LS243	
	TI	SN54LS243	
54LS244	Motorola	SN54LS244	
	Signetics	54LS244	
	TI	SN54LS244	
54LS245	Motorola	SN54LS245	
	National	DM54LS245	
	Signetics	54LS245	
	TI	SN54LS245	
54LS247	Motorola	SN54LS247	
	TI	SN54LS247	
54LS248	Motorola	SN54LS248	
	TI	SN54LS248	
54LS249	TI	SN54LS249	
♦ 54LS251	Motorola	SN54LS251	
	National	DM54LS251	
	Signetics	54LS251	
	TI	SN54LS251	
54LS253	Motorola	SN54LS253	
	National	DM54LS253	
	Signetics	54LS253	
	TI	SN54LS253	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS256	Motorola	SN54LS256	
	SGS-Thomson	T54LS256	
	Signetics	54LS256	
54LS257A	Motorola	SN54LS257A	
	National	DM54LS257B	
	Signetics	54LS257A	
	TI	SN54LS257B	
54LS258A	Motorola	SN54LS258A	
	National	DM54LS258B	
	SGS-Thomson	T54LS258A	
		54LS258	
	Signetics	54LS258A	
	TI	SN54LS258B	
54LS259	Motorola	SN54LS259	
	National	DM54LS259	
	SGS-Thomson	T54LS259	
		54LS259	
	Signetics	54LS259	
	TI	SN54LS259B	
54LS26	Motorola	SN54LS26	
	National	DM54LS26	
	Signetics	54LS26	
	TI	SN54LS26	
54LS260	Motorola	SN54LS260	
	SGS-Thomson	T54LS260	
	Signetics	54LS260A	
54LS266	Motorola	SN54LS266	
	SGS-Thomson	T54LS266	
		54LS266	
	Signetics	54LS266	
	TI	SN54LS266	
54LS27	Motorola	SN54LS27	
	National	DM54LS27	
	SGS-Thomson	T54LS27	
		54LS27	
	Signetics	54LS27	
	TI	SN54LS27	
54LS273	Motorola	SN54LS273	
	SGS-Thomson	T54LS273	
		54LS273	
	Signetics	54LS273	
	TI	SN54LS273	
54LS279	Motorola	SN54LS279	
	National	DM54LS279	
	SGS-Thomson	T54LS279	
		54LS279	
	Signetics	54LS279	
	TI	SN54LS279A	
54LS28	Motorola	SN54LS28	
	SGS-Thomson	T54LS28	
	Signetics	54LS28	
	TI	SN54LS28	
54LS283	Motorola	SN54LS283	
	National	DM54LS283	
	SGS-Thomson	54LS283	
	Signetics	54LS283	
	TI	SN54LS283	
♦ 54LS290	Motorola	SN54LS290	
	SGS-Thomson	54LS290	
	Signetics	54LS290	
	TI	SN54LS290	
♦ 54LS293	Motorola	SN54LS293	
	SGS-Thomson	T54LS293	
		54LS293	
♦ 54LS293	Signetics	54LS293	
	TI	SN54LS293	
54LS298	Motorola	SN54LS298	
	SGS-Thomson	54LS298	
	Signetics	54LS298	
	TI	SN54LS298	
54LS299	Motorola	SN54LS299	
	TI	SN54LS299	
54LS30	Motorola	SN54LS30	
	National	DM54LS30	
	SGS-Thomson	T54LS30	
		54LS30	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS30			(Cont'd)
	Signetics	54LS30	
	TI	SN54LS30	
54LS32	Motorola	SN54LS32	
	National	DM54LS32	
	SGS-Thomson	T54LS32	
		54LS32	
	Signetics	54LS32	
	TI	SN54LS32	
54LS322	TI	SN54LS322A	
54LS323	Motorola	SN54LS323	
	TI	SN54LS323	
54LS33	Motorola	SN54LS33	
	SGS-Thomson	T54LS33	
	Signetics	54LS33	
	TI	SN54LS33	
54LS352	National	DM54LS352	
	SGS-Thomson	T54LS352	
	Signetics	54LS352	
	TI	SN54LS352	
54LS353	SGS-Thomson	T54LS353	
	Signetics	54LS353	
	TI	SN54LS353	
54LS365	Motorola	SN54LS365A	
	National	DM54LS365A	
	SGS-Thomson	T54LS365A	
		54LS365	
	Signetics	54LS365A	
	TI	SN54LS365A	
54LS366	Motorola	SN54LS366A	
	National	DM54LS366A	
	SGS-Thomson	T54LS366A	
		54LS366	
	Signetics	54LS366A	
	TI	SN54LS366A	
54LS367	Motorola	SN54LS367A	
	National	DM54LS367A	
	SGS-Thomson	T54LS367A	
		54LS367	
	Signetics	54LS367A	
	TI	SN54LS367A	
54LS368	Motorola	SN54LS368A	
	National	DM54LS368A	
	SGS-Thomson	T54LS368A	
		54LS368	
	Signetics	54LS368A	
	TI	SN54LS368A	
54LS37	Motorola	SN54LS37	
	National	DM54LS37	
	SGS-Thomson	T54LS37	
		54LS37	
	Signetics	54LS37	
	TI	SN54LS37	
♦ 54LS373	Motorola	SN54LS373	
	National	DM54LS373	
	SGS-Thomson	T54LS373	
		54LS373	
♦ 54LS373	Signetics	54LS373	
	TI	SN54LS373	
54LS374	Motorola	SN54LS374	
	National	DM54LS374	
	SGS-Thomson	T54LS374	
		54LS374	
	Signetics	54LS374	
	TI	SN54LS374	
54LS375	Motorola	SN54LS375	
	Signetics	54LS375	
	TI	SN54LS375	
54LS377	Motorola	SN54LS377	
	SGS-Thomson	T54LS377	
		54LS377	
	Signetics	54LS377	
	TI	SN54LS377	
54LS378	Motorola	SN54LS378	
	SGS-Thomson	T54LS378	
	Signetics	54LS378	
	TI	SN54LS378	
54LS379	Motorola	SN54LS379	
	SGS-Thomson	T54LS379	
	TI	SN54LS379	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS38	Motorola	SN54LS38	
	National	DM54LS38	
	SGS-Thomson	T54LS38	
		54LS38	
	Signetics	54LS38	
	TI	SN54LS38	
♦ 54LS386	Motorola	SN54LS386	
	TI	SN54LS386A	
♦ 54LS390	Motorola	SN54LS390	
	SGS-Thomson	T54LS390	
		54LS390	
♦ 54LS390	Signetics	54LS390	
	TI	SN54LS390	
♦ 54LS393	Motorola	SN54LS393	
	SGS-Thomson	T54LS393	
	Signetics	54LS393	
	TI	SN54LS393	
♦ 54LS398	Motorola	SN54LS398	
♦ 54LS399	Motorola	SN54LS399	
	TI	SN54LS399	
54LS40	Motorola	SN54LS40	
	SGS-Thomson	T54LS40	
		54LS40	
	Signetics	54LS40	
	TI	SN54LS40	
54LS42	Motorola	SN54LS42	
	National	DM54LS42	
	SGS-Thomson	T54LS42	
		54LS42	
	Signetics	54LS42	
	TI	SN54LS42	
54LS47	Motorola	SN54LS47	
	TI	SN54LS47	
54LS48	Motorola	SN54LS48	
	TI	SN54LS48	
54LS49	TI	SN54LS49	
54LS490	Motorola	SN54LS490	
	SGS-Thomson	T54LS490	
	Signetics	54LS490	
	TI	SN54LS490	
54LS51	Motorola	SN54LS51	
	Signetics	54LS51	
	TI	SN54LS51	
54LS54	Motorola	SN54LS54	
	SGS-Thomson	T54LS54	
		54LS54	
	Signetics	54LS54	
	TI	SN54LS54	
♦ 54LS540	Motorola	SN54LS540	
	Signetics	54LS540	
	TI	SN54LS540	
♦ 54LS541	Motorola	SN54LS541	
	Signetics	54LS541	
	TI	SN54LS541	
54LS55	Motorola	SN54LS55	
	SGS-Thomson	T54LS55	
		54LS55	
54LS670	Motorola	SN54LS670	
	National	DM54LS670	
	SGS-Thomson	54LS670	
	Signetics	54LS670	
	TI	SN54LS670	
54LS74	Motorola	SN54LS74A	
	National	DM54LS74	
	SGS-Thomson	T54LS74A	
		54LS74	
	Signetics	54LS74A	
	TI	SN54LS74A	
54LS83A	Motorola	SN54LS83A	
	National	DM54LS83A	
	SGS-Thomson	54LS83A	
	Signetics	54LS83A	
	TI	SN54LS83A	
54LS85	Motorola	SN54LS85	
	National	DM54LS85	
	Signetics	54LS85	
	TI	SN54LS85	
♦ 54LS86	Motorola	SN54LS86	
	National	DM54LS86	
	Signetics	54LS86	
	TI	SN54LS86A	

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 54LS90	Motorola	SN54LS90	
	Signetics	54LS90	
	TI	SN54LS90	
♦ 54LS92	Motorola	SN54LS92	
	Signetics	54LS92	
	TI	SN54LS92	
♦ 54LS93	Motorola	SN54LS93	
	SGS-Thomson	T54LS93	
		54LS93	
♦ 54LS93	Signetics	54LS93	
	TI	SN54LS93	
54LS95B	Motorola	SN54LS95B	
	Signetics	54LS95B	
	TI	SN54LS95B	
♦ 54L93	Rochester	54L93	
♦ 54S00	National	DM54S00	
	Rochester	54S00	
	Signetics	54S00	
	TI	SN54S00	
♦ 54S02	National	DM54S02	
	Rochester	54S02	
	Signetics	54S02	
	TI	SN54S02	
♦ 54S04	National	DM54S04	
	Rochester	54S04	
	Signetics	54S04	
	TI	SN54S04	
♦ 54S05	Signetics	54S05	
	TI	SN54S05	
♦ 54S08	National	DM54S08	
	Rochester	54S08	
	Signetics	54S08	
	TI	SN54S08	
♦ 54S09	Rochester	54S09	
	TI	SN54S09	
♦ 54S10	National	DM54S10	
	Rochester	54S10	
	Signetics	54S10	
	TI	SN54S10	
♦ 54S11	National	DM54S11	
	Rochester	54S11	
	Signetics	54S11	
	TI	SN54S11	
♦ 54S112	National	DM54S112	
	Rochester	54S112	
	Signetics	54S112	
	TI	SN54S112	
♦ 54S113	National	DM54S113	
	Rochester	54S113	
	Signetics	54S113	
	TI	SN54S113	
♦ 54S114	Rochester	54S114	
	TI	SN54S114	
♦ 54S132	TI	SN54S132	
♦ 54S133	National	DM54S133	
	Rochester	54S133	
	Signetics	54S133	
	TI	SN54S133	
♦ 54S134	Rochester	54S134	
	Signetics	54S134	
	TI	SN54S134	
♦ 54S135	Signetics	54S135	
	TI	SN54S135	
♦ 54S137	Rochester	54S137	
♦ 54S138	National	DM54S138	
	Signetics	54S138	
	TI	SN54S138	
♦ 54S139	National	DM54S139	
	Rochester	54S139	
	Signetics	54S139	
	TI	SN54S139	
♦ 54S140	National	DM54S140	
	Signetics	54S140	
	TI	SN54S140	
♦ 54S15	Rochester	54S15	
	TI	SN54S15	
♦ 54S151	National	DM54S151	
	Rochester	54S151	
	Signetics	54S151	
	TI	SN54S151	
♦ 54S153	National	DM54S153	
	Rochester	54S153	
	Signetics	54S153	
	TI	SN54S153	
♦ 54S157	National	DM54S157	
	Rochester	54S157	
	Signetics	54S157	
	TI	SN54S157	
♦ 54S158	National	DM54S158	
	Rochester	54S158	
	Signetics	54S158	
	TI	SN54S158	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
National Semiconductor (Cont'd)			
♦ 54S174	National	DM54S174	
	Rochester	54S174	
	Signetics	54S174	
	TI	SN54S174	
♦ 54S175	National	DM54S175	
	Rochester	54S175	
	Signetics	54S175	
	TI	SN54S175	
♦ 54S189	National	DM54S189	
		DM54S189A	
♦ 54S189	Signetics	54S189	
♦ 54S194	National	DM54S194	
	TI	SN54S194	
♦ 54S20	National	DM54S20	
	Rochester	54S20	
	Signetics	54S20	
	TI	SN54S20	
♦ 54S22	Rochester	54S22	
	TI	SN54S22	
♦ 54S253	National	DM54S253	
	Rochester	54S253	
	Signetics	54S253	
♦ 54S258	National	DM54S258	
	Rochester	54S258	
	Signetics	54S258	
	TI	SN54S258	
♦ 54S260	Rochester	54S260	
	Signetics	54S260	
	TI	SN54S260	
♦ 54S280	National	DM54S280	
	Signetics	54S280	
	TI	SN54S280	
♦ 54S289	Rochester	54S289	
♦ 54S30	National	DM54S30	
	Rochester	54S30	
	TI	SN54S30	
♦ 54S32	National	DM54S32	
	Signetics	54S32	
	TI	SN54S32	
♦ 54S40	National	DM54S40	
	Rochester	54S40	
	Signetics	54S40	
	TI	SN54S40	
♦ 54S51	Rochester	54S51	
	Signetics	54S51	
	TI	SN54S51	
♦ 54S64	National	DM54S64	
	Signetics	54S64	
	TI	SN54S64	
♦ 54S65	Rochester	54S65	
	Signetics	54S65	
	TI	SN54S65	
♦ 54S74	Rochester	54S74	
	Signetics	54S74	
	TI	SN54S74	
♦ 54S86	Signetics	54S86	
	TI	SN54S86	
♦ 5400	Lansdale	ML5400	
	Rochester	5400	
♦ 5401	Rochester	5401	
♦ 5402	Lansdale	ML5402	
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♦ 5403	Lansdale	ML5403	
♦ 5404	Lansdale	ML5404	
	Rochester	5404	
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	Rochester	5406	
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♦ 5408	Lansdale	ML5408	
	Rochester	5408	
♦ 5409	Lansdale	ML5409	
		SL5409	
♦ 5409	Rochester	5409	
♦ 54107	Lansdale	ML54107	
♦ 5411	Rochester	5411	
♦ 5412	Lansdale	ML5412	
	Rochester	5412	
♦ 54126	Rochester	54126	
♦ 5413	Rochester	5413	
♦ 54132	Rochester	54132	
♦ 5414	Rochester	5414	
♦ 54141	Rochester	54141	
♦ 54144	Rochester	54144	
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♦ 54152	Rochester	54152	
♦ 54154	Lansdale	ML9311	
	Rochester	54154	
♦ 54155	Rochester	54155	
♦ 54156	Rochester	54156	
♦ 54157	Rochester	54157	
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	Rochester	5416	
♦ 54160	Lansdale	ML9310	
	Rochester	54160	
♦ 54161	Lansdale	ML9316	
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♦ 54164	Rochester	54164	
♦ 54165	Rochester	54165	
♦ 54166	Rochester	54166	
♦ 54167	Rochester	54167	
♦ 5417	Rochester	5417	
♦ 54173	Rochester	54173	
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♦ 54179	Rochester	54179	
♦ 54180	Rochester	54180	
♦ 54181	Rochester	54181	
		7181	
		9341	
♦ 54182	Rochester	54182	
♦ 54185	Rochester	54185	
♦ 54190	Rochester	54190	
♦ 54192	Rochester	54192	
♦ 54193	Rochester	54193	
♦ 54195	Rochester	54195	
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♦ 54197	Rochester	54197	
♦ 54198	Rochester	54198	
♦ 54199	Rochester	54199	
♦ 5420	Lansdale	ML5420	
	Rochester	5420	
♦ 5421	Rochester	5421	
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♦ 54221	Rochester	54221	
♦ 5423	Lansdale	ML5423	
	Rochester	5423	
♦ 54251	Rochester	54251	
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♦ 5427	Lansdale	ML5427	
	Rochester	5427	
♦ 5430	Lansdale	ML5430	
	Rochester	5430	
♦ 5432	Rochester	5432	
♦ 5437	Rochester	5437	
♦ 5438	Lansdale	ML5438	
	Rochester	5438	
♦ 5440	Lansdale	ML5440	
	Rochester	5440	
♦ 5441	Lansdale	ML5441	
♦ 5442	Lansdale	ML5442	
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♦ 5443	Lansdale	ML5443	
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♦ 5444	Lansdale	ML5444	
	Rochester	5444	
♦ 5448	Lansdale	ML5448	
		SL5448	
♦ 5448	Rochester	5448	
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	Rochester	5450	
♦ 5451	Lansdale	ML5451	
	Rochester	5451	
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		SL5460	
♦ 5460	Rochester	5460	
♦ 5470	Lansdale	ML5470	
		SL5470	
♦ 5470	Rochester	5470	
♦ 5472	Lansdale	ML5472	
		SL5472	
♦ 5472	Rochester	5472	
♦ 5473	Lansdale	ML5473	
♦ 5474	Lansdale	ML5474	
	Rochester	5474	
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♦ 5476	Lansdale	ML5476	
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♦ 5486	Lansdale	ML5486	
♦ 5489	Lansdale	ML4064	
♦ 5490	Lansdale	ML5490	
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♦ 5491	Lansdale	ML5491	
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♦ 5492	Lansdale	ML5492	
	Rochester	5492	
♦ 5493	Lansdale	ML5493	
	Rochester	5493	
♦ 5494	Lansdale	ML5494	
	Rochester	5494	
♦ 5495	Lansdale	ML5495	
	Rochester	5495	
♦ 5496	Lansdale	ML5496	
	Rochester	5496	
6551	Hughes	H1823	
6552	Hughes	H1823	
6852	SMC	COM5025	
71uA03	Micro-C	71uA03	
♦ 7123	Rochester	7123	
74ACT00	Harris	CD74ACT00	
	Motorola	MC74ACT00	
	Toshiba	TC74ACT00	
74ACT04	Harris	CD74ACT04	
	Toshiba	TC74ACT04	
♦ 74ACT08	Harris	CD74ACT08	
	Motorola	MC74ACT08	
	Toshiba	TC74ACT08	
74ACT109	Harris	CD74ACT109	
	Motorola	MC74ACT109	
	Toshiba	TC74ACT109	
74ACT112	Harris	CD74ACT112	
	Toshiba	TC74ACT112	
74ACT138	Harris	CD74ACT138	
	Motorola	MC74ACT138	
	Toshiba	TC74ACT138	
74ACT139	Harris	CD74ACT139	
	Motorola	MC74ACT139	
	Toshiba	TC74ACT139	
74ACT14	Motorola	MC74ACT14	
	Toshiba	TC74ACT14	
74ACT151	Harris	CD74ACT151	
	Motorola	MC74ACT151	
	Toshiba	TC74ACT151	
74ACT153	Harris	CD74ACT153	
	Motorola	MC74ACT153	
	Toshiba	TC74ACT153	
74ACT157	Harris	CD74ACT157	
	Motorola	MC74ACT157	
	Toshiba	TC74ACT157	
74ACT158	Harris	CD74ACT158	
	Motorola	MC74ACT158	
	Toshiba	TC74ACT158	
74ACT161	Harris	CD74ACT161	
	Motorola	MC74ACT161	
	Toshiba	TC74ACT161	
74ACT163	Harris	CD74ACT163	
	Motorola	MC74ACT163	
	Toshiba	TC74ACT163	
74ACT164	Harris	CD74ACT164	
	Toshiba	TC74ACT164	
74ACT174	Harris	CD74ACT174	
	Motorola	MC74ACT174	
	Toshiba	TC74ACT174	
74ACT175	Harris	CD74ACT175	
	Toshiba	TC74ACT175	
74ACT240	Harris	CD74ACT240	
	Motorola	MC74ACT240	
	Toshiba	TC74ACT240	
	VTC	V74ACT240	
74ACT241	Harris	CD74ACT241	
	Motorola	MC74ACT241	
	Toshiba	TC74ACT241	
	VTC	V74ACT241	
74ACT244	Harris	CD74ACT244	
	Motorola	MC74ACT244	
	Toshiba	TC74ACT244	
	VTC	V74ACT244	
74ACT245	Harris	CD74ACT245	
	Motorola	MC74ACT245	
	Toshiba	TC74ACT245	
	VTC	V74ACT245	
74ACT251	Harris	CD74ACT251	
	Motorola	MC74ACT251	
	Toshiba	TC74ACT251	
74ACT253	Harris	CD74ACT253	
	Motorola	MC74ACT253	
74ACT257	Harris	CD74ACT257	
	Motorola	MC74ACT257	
	Toshiba	TC74ACT257	
74ACT258	Harris	CD74ACT258	
	Motorola	MC74ACT258	
	Toshiba	TC74ACT258	
74ACT273	Harris	CD74ACT273	
	Motorola	MC74ACT273	
74ACT280	Harris	CD74ACT280	
	Toshiba	TC74ACT280	
74ACT283	Harris	CD74ACT283	
	Toshiba	TC74ACT283	
74ACT299	Harris	CD74ACT299	
	Motorola	MC74ACT299	
74ACT32	Harris	CD74ACT32	
	Motorola	MC74ACT32	
	Toshiba	TC74ACT32	
74ACT323	Harris	CD74ACT323	
	Motorola	MC74ACT323	
74ACT350	Motorola	MC74ACT350	
74ACT373	Harris	CD74ACT373	
	Motorola	MC74ACT373	
	Toshiba	TC74ACT373	
	VTC	V74ACT373	
74ACT374	Harris	CD74ACT374	
	Motorola	MC74ACT374	
	Toshiba	TC74ACT374	
	VTC	V74ACT374	
74ACT377	Motorola	MC74ACT377	
	Toshiba	TC74ACT377	
♦ 74ACT378	Motorola	MC74ACT378	
74ACT520	Toshiba	TC74ACT520	
74ACT521	Motorola	MC74ACT521	
	Toshiba	TC74ACT521	
♦ 74ACT533	Harris	CD74ACT533	
	Motorola	MC74ACT533	
	Toshiba	TC74ACT533	
	VTC	V74ACT533	
74ACT534	Harris	CD74ACT534	
	Motorola	MC74ACT534	
	Toshiba	TC74ACT534	
	VTC	V74ACT534	
74ACT540	Harris	CD74ACT540	
	Motorola	MC74ACT540	
	Toshiba	TC74ACT540	
	VTC	V74ACT540	
74ACT541	Harris	CD74ACT541	
	Motorola	MC74ACT541	
	Toshiba	TC74ACT541	
	VTC	V74ACT541	
74ACT563	Harris	CD74ACT563	
	Motorola	MC74ACT563	
	Toshiba	TC74ACT563	
	VTC	V74ACT563	
74ACT564	Harris	CD74ACT564	
	Motorola	MC74ACT564	
	Toshiba	TC74ACT564	
	VTC	V74ACT564	
74ACT573	Harris	CD74ACT573	
	Motorola	MC74ACT573	
	Toshiba	TC74ACT573	
	VTC	V74ACT573	
74ACT574	Harris	CD74ACT574	
	Motorola	MC74ACT574	
	Toshiba	TC74ACT574	
	VTC	V74ACT574	
74ACT646	Harris	CD74ACT646	
	Toshiba	TC74ACT646	
74ACT74	Harris	CD74ACT74	
	Motorola	MC74ACT74	
	Toshiba	TC74ACT74	
74ACT821	AMD	AM29C821	
	Toshiba	TC74ACT821	
	VTC	V74ACT821	
♦ 74ACT822	VTC	V74ACT822	
74ACT823	AMD	AM29C823	
	Toshiba	TC74ACT823	
	VTC	V74ACT823	
74ACT825	Motorola	MC74ACT825	
	Toshiba	TC74ACT825	
	VTC	V74ACT825	
74ACT827	AMD	AM29C827	
	VTC	V74ACT827	
74ACT828	AMD	AM29C828	
74ACT841	AMD	AM29C841	
	Toshiba	TC74ACT841	
	VTC	V74ACT841	
♦ 74ACT842	VTC	V74ACT842	
74ACT843	AMD	AM29C843	
	Motorola	MC74ACT843	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
National Semiconductor (Cont'd)			
74ACT843			(Cont'd)
	Toshiba	TC74ACT843	
	VTC	V74ACT843	
74ACT845	Motorola	MC74ACT845	
	VTC	V74ACT845	
74AC00	Harris	CD74AC00	
	Motorola	MC74AC00	
	Toshiba	TC74AC00	
74AC02	Harris	CD74AC02	
	Motorola	MC74AC02	
	Toshiba	TC74AC02	
74AC04	Harris	CD74AC04	
	Motorola	MC74AC04	
	Toshiba	TC74AC04	
74AC08	Harris	CD74AC08	
	Motorola	MC74AC08	
	Toshiba	TC74AC08	
74AC10	Harris	CD74AC10	
	Motorola	MC74AC10	
	Toshiba	TC74AC10	
74AC109	Harris	CD74AC109	
	Motorola	MC74AC109	
	Toshiba	TC74AC109	
74AC11	Motorola	MC74AC11	
	Toshiba	TC74AC11	
74AC112	Harris	CD74AC112	
	Toshiba	TC74AC112	
74AC138	Harris	CD74AC138	
	Motorola	MC74AC138	
	Toshiba	TC74AC138	
74AC139	Harris	CD74AC139	
	Motorola	MC74AC139	
	Toshiba	TC74AC139	
74AC14	Motorola	MC74AC14	
	Toshiba	TC74AC14	
74AC151	Harris	CD74AC151	
	Motorola	MC74AC151	
	Toshiba	TC74AC151	
74AC153	Harris	CD74AC153	
	Motorola	MC74AC153	
	Toshiba	TC74AC153	
74AC157	Harris	CD74AC157	
	Motorola	MC74AC157	
	Toshiba	TC74AC157	
74AC158	Harris	CD74AC158	
	Motorola	MC74AC158	
	Toshiba	TC74AC158	
♦ 74AC160	Motorola	MC74AC160	
	Toshiba	TC74AC160	
74AC161	Harris	CD74AC161	
	Motorola	MC74AC161	
	Toshiba	TC74AC161	
74AC163	Harris	CD74AC163	
	Motorola	MC74AC163	
	Toshiba	TC74AC163	
74AC164	Harris	CD74AC164	
	Toshiba	TC74AC164	
74AC169	Toshiba	TC74AC169	
74AC174	Harris	CD74AC174	
	Motorola	MC74AC174	
	Toshiba	TC74AC174	
74AC175	Harris	CD74AC175	
	Toshiba	TC74AC175	
74AC191	Harris	CD74AC191	
	Toshiba	TC74AC191	
74AC20	Harris	CD74AC20	
	Toshiba	TC74AC20	
74AC240	Harris	CD74AC240	
	Motorola	MC74AC240	
	Toshiba	TC74AC240	
74AC241	Harris	CD74AC241	
	Motorola	MC74AC241	
	Toshiba	TC74AC241	
74AC244	Harris	CD74AC244	
	Motorola	MC74AC244	
	Toshiba	TC74AC244	
74AC245	Harris	CD74AC245	
	Motorola	MC74AC245	
	Toshiba	TC74AC245	
74AC251	Harris	CD74AC251	
	Motorola	MC74AC251	
	Toshiba	TC74AC251	
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74AC253	Harris	CD74AC253	
	Motorola	MC74AC253	
	Toshiba	TC74AC253	
74AC257	Harris	CD74AC257	
	Motorola	MC74AC257	
	Toshiba	TC74AC257	
74AC258	Harris	CD74AC258	
	Motorola	MC74AC258	
	Toshiba	TC74AC258	
74AC273	Harris	CD74AC273	
	Motorola	MC74AC273	
	Toshiba	TC74AC273	
74AC280	Harris	CD74AC280	
	Toshiba	TC74AC280	
74AC283	Harris	CD74AC283	
	Toshiba	TC74AC283	
74AC299	Harris	CD74AC299	
	Motorola	MC74AC299	
	Toshiba	TC74AC299	
74AC32	Harris	CD74AC32	
	Motorola	MC74AC32	
	Toshiba	TC74AC32	
♦ 74AC323	Harris	CD74AC323	
	Toshiba	TC74AC323	
74AC350	Motorola	MC74AC350	
74AC373	Harris	CD74AC373	
	Motorola	MC74AC373	
	Toshiba	TC74AC373	
74AC374	Harris	CD74AC374	
	Motorola	MC74AC374	
	Toshiba	TC74AC374	
74AC377	Motorola	MC74AC377	
	Toshiba	TC74AC377	
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74AC520	Toshiba	TC74AC520	
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	Toshiba	TC74AC521	
74AC540	Harris	CD74AC540	
	Motorola	MC74AC540	
	Toshiba	TC74AC540	
74AC541	Harris	CD74AC541	
	Motorola	MC74AC541	
	Toshiba	TC74AC541	
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	Motorola	MC74AC563	
	Toshiba	TC74AC563	
♦ 74AC564	Harris	CD74AC564	
	Motorola	MC74AC564	
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	Motorola	MC74AC573	
	Toshiba	TC74AC573	
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	Motorola	MC74AC574	
	Toshiba	TC74AC574	
74AC646	Harris	CD74AC646	
	Motorola	MC74AC646	
	Toshiba	TC74AC646	
74AC648	Harris	CD74AC648	
	Motorola	MC74AC648	
	Toshiba	TC74AC648	
74AC74	Harris	CD74AC74	
	Motorola	MC74AC74	
	Toshiba	TC74AC74	
74AC821	Toshiba	TC74AC821	
74AC823	Toshiba	TC74AC823	
74AC825	Motorola	MC74AC825	
	Toshiba	TC74AC825	
74AC843	Motorola	MC74AC843	
	Toshiba	TC74AC843	
74AC845	Motorola	MC74AC845	
74AC86	Harris	CD74AC86	
	Motorola	MC74AC86	
	Toshiba	TC74AC86	
74FCT240	IDT	IDT74FCT240	
74FCT241	IDT	IDT74FCT241	
74FCT244	IDT	IDT74FCT244	
74F00	Mitsubishi	M74F00	
	Motorola	MC74F00	
	Signetics	74F00	
	TI	SN74F00	
74F02	Mitsubishi	M74F02	
	Motorola	MC74F02	
	Signetics	74F02	
	TI	SN74F02	
74F04	Mitsubishi	M74F04	
	Motorola	MC74F04	
	Signetics	74F04	
	TI	SN74F04	
74F08	Mitsubishi	M74F08	
	Motorola	MC74F08	
	Signetics	74F08	
	TI	SN74F08	
74F10	Mitsubishi	M74F10	
	Motorola	MC74F10	
	Signetics	74F10	
	TI	SN74F10	
74F109	Mitsubishi	M74F109	
	Motorola	MC74F109	
			(Continued)
74F109			(Cont'd)
	Signetics	74F109	
	TI	SN74F109	
74F11	Mitsubishi	M74F11	
	Motorola	MC74F11	
	Signetics	74F11	
	TI	SN74F11	
74F112	Mitsubishi	M74F112	
	Motorola	MC74F112	
	Signetics	74F112	
	TI	SN74F112	
74F113	Signetics	74F113	
	TI	SN74F113	
74F114	Signetics	74F114	
	TI	SN74F114	
74F125	Mitsubishi	M74F125	
	Motorola	MC74F125	
	Signetics	74F125	
	TI	SN74F125	
♦ 74F126	Motorola	MC74F126	
	Signetics	74F126	
	TI	SN74F126	
74F13	GEC Plessey	MV66401	
	Motorola	MC74F13	
	Signetics	74F13	
74F132	Motorola	MC74F132	
	Signetics	74F132	
74F138	Mitsubishi	M74F138	
	Motorola	MC74F138	
	Signetics	74F138	
	TI	SN74F138	
74F139	Mitsubishi	M74F139	
	Motorola	MC74F139	
	Signetics	74F139	
74F14	Mitsubishi	M74F14	
	Motorola	MC74F14	
	Signetics	74F14	
74F148	Motorola	MC74F148	
	Signetics	74F148	
	TI	SN74F148	
74F151	Mitsubishi	M74F151A	
	Motorola	MC74F151	
	Signetics	N74F151	
		N74F151A	
		74F151	
	TI	SN74F151	
		SN74F151A	
74F153	Mitsubishi	M74F153	
	Motorola	MC74F153	
	Signetics	74F153	
	TI	SN74F153	
74F157	Mitsubishi	M74F157A	
	Motorola	MC74F157	
		MC74F157A	
	Signetics	74F157	
	TI	SN74F157A	
74F158	Mitsubishi	M74F158A	
	Motorola	MC74F158	
		MC74F158A	
	Signetics	N74F158A	
		74F158	
	TI	SN74F158A	
74F160A	Motorola	MC74F160A	
	Signetics	74F160A	
	TI	SN74F160A	
74F161A	Mitsubishi	M74F161A	
	Motorola	MC74F161A	
	Signetics	74F161A	
	TI	SN74F161A	
74F162A	Motorola	MC74F162A	
	Signetics	74F162A	
	TI	SN74F162A	
74F163A	Mitsubishi	M74F163A	
	Motorola	MC74F163A	
	Signetics	74F163A	
	TI	SN74F163A	
74F164	Mitsubishi	M74F164	
	Motorola	MC74F164	
	National	74F164A	
	Signetics	74F164	
74F164A	Mitsubishi	M74F164	
	Motorola	MC74F164	
	National	74F164	
	Signetics	74F164	
74F168	Motorola	MC74F168	
	Signetics	74F168	
	TI	SN74F168	
74F169	Mitsubishi	M74F169	
	Motorola	MC74F169	
	Signetics	74F169	
	TI	SN74F169	
74F174	Mitsubishi	M74F174	
	Motorola	MC74F174	
			(Continued)
74F174			(Cont'd)
	Signetics	74F174	
	TI	SN74F174	
74F175	Mitsubishi	M74F175	
	Motorola	MC74F175	
	Signetics	74F175	
	TI	SN74F175	
74F181	Motorola	MC74F181	
	Signetics	74F181	
74F182	Motorola	MC74F182	
	Signetics	74F182	
74F189	Signetics	74F189A	
74F190	Signetics	74F190	
	TI	SN74F190	
74F191	Signetics	74F191	
	TI	SN74F191	
74F192	Signetics	74F192	
	TI	SN74F192	
74F193	Signetics	74F193	
	TI	SN74F193	
74F194	Motorola	MC74F194	
	Signetics	74F194	
♦ 74F195	Motorola	MC74F195	
	Signetics	74F195	
74F20	Mitsubishi	M74F20	
	Motorola	MC74F20	
	Signetics	74F20	
	TI	SN74F20	
74F240	Harris	CD74FCT240	
	Mitsubishi	M74F240	
	Motorola	MC74F240	
	Signetics	74F240	
	TI	SN74F240	
74F241	Harris	CD74FCT241	
	Mitsubishi	M74F241	
	Motorola	MC74F241	
	Signetics	74F241	
	TI	SN74F241	
74F242	Motorola	MC74F242	
	Signetics	74F242	
	TI	SN74F242	
74F243	Motorola	MC74F243	
	Signetics	74F243	
	TI	SN74F243	
74F244	Harris	CD74FCT244	
	Mitsubishi	M74F244	
	Motorola	MC74F244	
	Signetics	74F244	
	TI	SN74F244	
74F245	Harris	CD74FCT245	
	Mitsubishi	M74F245	
	Motorola	MC74F245	
	Signetics	74F245	
	TI	SN74F245	
74F251	Mitsubishi	M74F251A	
	Motorola	MC74F251	
	Signetics	N74F251A	
		74F251	
	TI	SN74F251	
		SN74F251A	
74F253	Mitsubishi	M74F253	
	Motorola	MC74F253	
	Signetics	74F253	
	TI	SN74F253	
74F256	Motorola	MC74F256	
	Signetics	74F256	
74F257	Mitsubishi	M74F257A	
	Motorola	MC74F257	
		MC74F257A	
	Signetics	N74F257A	
		74F257	
	TI	SN74F257	
74F258	Mitsubishi	M74F258A	
	Motorola	MC74F258	
		MC74F258A	
	Signetics	N74F258A	
		74F258	
	TI	SN74F258	
74F259	Motorola	MC74F259	
	Signetics	74F259	
74F269	Signetics	74F269	
74F27	TI	SN74F27	
74F273	Harris	CD74FCT273	
	Motorola	MC74F273	
	Signetics	74F273	
	TI	SN74F273	
74F280	Mitsubishi	M74F280	
	Motorola	MC74F280	
	Signetics	74F280A	
		74F280B	
	TI	SN74F280A	
74F283	Mitsubishi	M74F283	
	Motorola	MC74F283	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
74F283			(Cont'd)
	Signetics	74F283	
	TI	SN74F283	
74F298	Signetics	74F298	
74F299	Motorola	MC74F299	
	Signetics	74F299	
	TI	SN74F299	
74F30	Mitsubishi	M74F30	
	Signetics	74F30	
	TI	SN74F30	
♦ 74F3040	Signetics	74F3040	
74F32	Mitsubishi	M74F32	
	Motorola	MC74F32	
	Signetics	74F32	
	TI	SN74F32	
74F322	Signetics	74F322	
74F323	Motorola	MC74F323	
	Signetics	74F323	
	TI	SN74F323	
74F350	Motorola	MC74F350	
	Signetics	74F350	
	TI	SN74F350	
74F352	Mitsubishi	M74F352	
	Motorola	MC74F352	
	Signetics	74F352	
	TI	SN74F352	
74F353	Mitsubishi	M74F353	
	Motorola	MC74F353	
	Signetics	74F353	
	TI	SN74F353	
74F365	Motorola	MC74F365	
	Signetics	74F365	
74F366	Motorola	MC74F366	
	Signetics	74F366	
♦ 74F367	Motorola	MC74F367	
	Signetics	74F367	
74F368	Motorola	MC74F368	
	Signetics	74F368	
74F37	Motorola	MC74F37	
	Signetics	74F37	
	TI	SN74F37	
74F373	Harris	CD74FCT373	
	Mitsubishi	M74F373	
	Motorola	MC74F373	
	Signetics	74F373	
	TI	SN74F373	
74F374	Harris	CD74FCT374	
	Mitsubishi	M74F374	
	Motorola	MC74F374	
	Signetics	74F374	
	TI	SN74F374	
74F377	Harris	CD74FCT377	
	Motorola	MC74F377	
	Signetics	74F377	
	TI	SN74F377	
74F378	Motorola	MC74F378	
	Signetics	74F378	
	TI	SN74F378	
74F379	Motorola	MC74F379	
	Signetics	74F379	
	TI	SN74F379	
74F38	Motorola	MC74F38	
	Signetics	74F38	
	TI	SN74F38	
74F381	Motorola	MC74F381	
	Signetics	74F381	
	TI	SN74F381	
74F382	Motorola	MC74F382	
	Signetics	74F382	
	TI	SN74F382	
74F385	Signetics	74F385	
74F395	Signetics	74F395	
74F398	Motorola	MC74F398	
	Signetics	74F398	
74F399	Motorola	MC74F399	
	Signetics	74F399	
74F40	Motorola	MC74F40	
	Signetics	74F40	
	TI	SN74F40	
74F410	Signetics	N74F410	
74F412	Signetics	74F412	
74F432	Signetics	74F432	
74F51	Motorola	MC74F51	
	Signetics	74F51	
	TI	SN74F51	
74F521	Mitsubishi	M74F521	
	Motorola	MC74F521	
	Signetics	74F521	
	TI	SN74F521	
74F524	Signetics	74F524	
74F533	Harris	CD74FCT533	
	Motorola	MC74F533	
	Signetics	74F533	
	TI	SN74F533	
74F534	Harris	CD74FCT534	
	Motorola	MC74F534	
	Signetics	74F534	
	TI	SN74F534	
74F537	Motorola	MC74F537	
	Signetics	74F537	
74F538	Motorola	MC74F538	
	Signetics	74F538	
74F539	Motorola	MC74F539	
	Signetics	74F539	
74F540	Harris	CD74FCT540	
	Signetics	74F540	
	TI	SN74F540	
74F541	Harris	CD74FCT541	
	Signetics	74F541	
	TI	SN74F541	
74F543	Harris	CD74FCT543	
	Mitsubishi	M74F543	
	Motorola	MC74F543	
	Signetics	74F543	
	TI	SN74F543	
74F544	Harris	CD74FCT544	
	Signetics	74F544	
	TI	SN74F544	
74F545	Signetics	74F545	
74F547	Signetics	74F547	
74F548	Signetics	74F548	
74F563	Harris	CD74FCT563	
	Signetics	74F563	
	TI	SN74F563	
74F564	Harris	CD74FCT564	
	Signetics	74F564	
	TI	SN74F564	
74F568	Signetics	74F568	
	TI	SN74F568	
74F569	Signetics	74F569	
	TI	SN74F569	
74F573	Harris	CD74FCT573	
	Mitsubishi	M74F573	
	Signetics	74F573	
	TI	SN74F573	
74F574	Harris	CD74FCT574	
	Mitsubishi	M74F574	
	Signetics	N74F574	
	TI	SN74F574	
74F579	Motorola	MC74F579	
	Signetics	74F579	
74F582	Signetics	N74F582	
74F583	Signetics	74F583	
74F588	Signetics	74F588	
74F595	Signetics	74F595	
74F597	Signetics	74F597	
♦ 74F598	Signetics	74F598	
♦ 74F604	Signetics	74F604	
♦ 74F605	Signetics	74F605	
74F620	Motorola	MC74F620	
	Signetics	74F620	
	TI	SN74F620	
♦ 74F621	Signetics	74F621	
	TI	SN74F621	
♦ 74F622	Signetics	74F622	
	TI	SN74F622	
74F623	Harris	CD74FCT623	
	Motorola	MC74F623	
	Signetics	74F623	
	TI	SN74F623	
74F64	Motorola	MC74F64	
	Signetics	74F64	
	TI	SN74F64	
74F646	Harris	CD74FCT646	
	Mitsubishi	M74F646	
	Signetics	N74F646A	
		74F646	**(3655)**
		74F646A	**(3655)**
	TI	SN74F646	
74F648	Harris	CD74FCT648	
	Mitsubishi	M74F648	
	Signetics	N74F648A	
		74F648	**(3655)**
		74F648A	**(3655)**
♦ 74F655	Signetics	74F655A	
♦ 74F656	Signetics	74F656A	
74F657	Motorola	MC74F657A	
		MC74F657B	
	Signetics	74F657	
	TI	SN74F657	
74F674	Signetics	74F674	
74F676	Signetics	74F676	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74F74	Mitsubishi	M74F74	
	Motorola	MC74F74	
	Signetics	74F74	
	TI	SN74F74	
74F779	Motorola	MC74F779	
	Signetics	74F779	
74F821	AMD	AM29C821	
		AM29821	
	Harris	CD74FCT821	
	Mitsubishi	M74F821	
	Signetics	74F821	
74F823	AMD	AM29C823	
		AM29823	
	Harris	CD74FCT823	
	Mitsubishi	M74F823	
	Signetics	74F823	
74F825	Mitsubishi	M74F825	
	Signetics	74F825	
74F827	AMD	AM29C827	
		AM29827	
	Harris	CD74FCT827	
	Motorola	MC74F827	
	Signetics	74F827	
74F828	AMD	AM29C828	
	Harris	CD74FCT828	
	Motorola	MC74F828	
	Signetics	74F828	
74F841	AMD	AM29C841	
		AM29841	
	Harris	CD74FCT841	
	Mitsubishi	M74F841	
	Signetics	74F841	
74F843	AMD	AM29C843	
		AM29843	
	Harris	CD74FCT843	
	Mitsubishi	M74F843	
	Signetics	74F843	
74F845	Mitsubishi	M74F845	
	Signetics	74F845	
♦ 74F85	Motorola	MC74F85	
	Signetics	74F85	
74F86	Mitsubishi	M74F86	
	Motorola	MC74F86	
	Signetics	74F86	
	TI	SN74F86	
74F899	Signetics	74F899	
♦ 74HCT04	GoldStar	GD74HCT04	
	Harris	CD74HCT04	
	Motorola	MC74HCT04A	
	National	MM74HCT04	
	SGS-Thomson		
		M74HCT04	
	Signetics	74HCT04	
	Toshiba	TC74HCT04A	
74HCT190	Harris	CD74HCT190	
	Signetics	74HCT190	
♦ 74HC00	GoldStar	GD74HC00	
	Harris	CD74HC00	
	Hitachi	HD74HC00	
	Motorola	MC74HC00A	
	National	MM74HC00	
	NJR	NJU74HC00	
	SGS-Thomson		
		M74HC00	
	Sharp	LR74HC00	
	Signetics	74HC00	
	TI	SN74HC00	
	Toshiba	TC74HC00A	
♦ 74HC02	GoldStar	GD74HC02	
	Harris	CD74HC02	
	Hitachi	HD74HC02	
	Motorola	MC74HC02A	
	National	MM74HC02	
	NJR	NJU74HC02	
	SGS-Thomson		
		M74HC02	
	Sharp	LR74HC02	
	Signetics	74HC02	
	TI	SN74HC02	
	Toshiba	TC74HC02A	
♦ 74HC08	Harris	CD74HC08	
	Hitachi	HD74HC08	
	Motorola	MC74HC08A	
	National	MM74HC08	
	NJR	NJU74HC08	
	SGS-Thomson		
		M74HC08	
	Sharp	LR74HC08	
	Signetics	74HC08	
	TI	SN74HC08	
	Toshiba	TC74HC08A	
♦ 74HC10	Harris	CD74HC10	
	Hitachi	HD74HC10	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 74HC10			(Cont'd)
	Motorola	MC74HC10	
	National	MM74HC10	
	NJR	NJU74HC10	
	SGS-Thomson		
		M74HC10	
	Sharp	LR74HC10	
	Signetics	74HC10	
	TI	SN74HC10	
	Toshiba	TC74HC10A	
♦ 74HC109	Harris	CD74HC109	
	Hitachi	HD74HC109	
	Motorola	MC74HC109	
	National	MM74HC109	
	NJR	NJU74HC109	
	SGS-Thomson		
		M74HC109	
	Sharp	LR74HC109	
	Signetics	74HC109	
	TI	SN74HC109	
	Toshiba	TC74HC109A	
♦ 74HC112	Harris	CD74HC112	
	Hitachi	HD74HC112	
	Motorola	MC74HC112	
	National	MM74HC112	
	NJR	NJU74HC112	
	SGS-Thomson		
		M74HC112	
	Sharp	LR74HC112	
	Signetics	74HC112	
	TI	SN74HC112	
	Toshiba	TC74HC112A	
♦ 74HC125	Harris	CD74HC125	
	Hitachi	HD74HC125	
	Motorola	MC74HC125A	
	National	MM74HC125	
	SGS-Thomson		
		M74HC125	
	Signetics	74HC125	
	TI	SN74HC125	
	Toshiba	TC74HC125A	
♦ 74HC132	Harris	CD74HC132	
	Hitachi	HD74HC132	
	Motorola	MC74HC132A	
	National	MM74HC132	
	NJR	NJU74HC132	
	SGS-Thomson		
		M74HC132	
	Sharp	LR74HC132	
	Signetics	74HC132	
	TI	SN74HC132	
	Toshiba	TC74HC132A	
♦ 74HC133	Hitachi	HD74HC133	
	Motorola	MC74HC133	
	National	MM74HC133	
	SGS-Thomson		
		M74HC133	
	TI	SN74HC133	
	Toshiba	TC74HC133A	
♦ 74HC138	Harris	CD74HC138	
	Hitachi	HD74HC138	
	Mitsubishi	M74HC138-1	
	Motorola	MC74HC138A	
	National	MM74HC138	
	NJR	NJU74HC138	
	SGS-Thomson		
		M74HC138	
	Sharp	LR74HC138	
	Signetics	74HC138	
	TI	SN74HC138	
	Toshiba	TC74HC138A	
♦ 74HC139	Harris	CD74HC139	
	Hitachi	HD74HC139	
	Mitsubishi	M74HC139-1	
	Motorola	MC74HC139A	
	National	MM74HC139	
	NJR	NJU74HC139	
	SGS-Thomson		
		M74HC139	
	Sharp	LR74HC139	
	Signetics	74HC139	
	TI	SN74HC139	
	Toshiba	TC74HC139A	
♦ 74HC14	Harris	CD74HC14	
	Hitachi	HD74HC14	
	Mitsubishi	M74HC14	
	Motorola	MC74HC14A	
	National	MM74HC14	
	NJR	NJU74HC14	
	SGS-Thomson		
		M74HC14	
	Sharp	LR74HC14	
	Signetics	74HC14	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 74HC14			(Cont'd)
	TI	SN74HC14	
	Toshiba	TC74HC14A	
♦ 74HC147	Harris	CD74HC147	
	Hitachi	HD74HC147	
	Motorola	MC74HC147	
	National	MM74HC147	
	SGS-Thomson	M74HC147	
	Sharp	LR74HC147	
	Signetics	74HC147	
	TI	SN74HC147	
	Toshiba	TC74HC147A	
♦ 74HC151	Harris	CD74HC151	
	Hitachi	HD74HC151	
	Motorola	MC74HC151	
	National	MM74HC151	
	NJR	NJU74HC151	
	SGS-Thomson	M74HC151	
	Sharp	LR74HC151	
	Signetics	74HC151	
	TI	SN74HC151	
	Toshiba	TC74HC151A	
♦ 74HC153	Harris	CD74HC153	
	Hitachi	HD74HC153	
	Motorola	MC74HC153	
	National	MM74HC153	
	NJR	NJU74HC153	
	SGS-Thomson	M74HC153	
	Sharp	LR74HC153	
	Signetics	74HC153	
	TI	SN74HC153	
	Toshiba	TC74HC153A	
	Universal	US74HC153	
♦ 74HC154	Harris	CD74HC154	
	Hitachi	HD74HC154	
	Motorola	MC74HC154	
	National	MM74HC154	
	SGS-Thomson	M74HC154	
	Signetics	74HC154	
	TI	SN74HC154	
	Toshiba	TC74HC154A	
	Universal	US74HC154	
♦ 74HC160	Harris	CD74HC160	
	Hitachi	HD74HC160	
	Mitsubishi	M74HC160	
	Motorola	MC74HC160	
	National	MM74HC160	
	NJR	NJU74HC160	
	SGS-Thomson	M74HC160	
	Sharp	LR74HC160	
	Signetics	74HC160	
	TI	SN74HC160	
	Toshiba	TC74HC160A	
	Universal	US74HC160	
♦ 74HC162	Harris	CD74HC162	
	Hitachi	HD74HC162	
	Mitsubishi	M74HC162	
	Motorola	MC74HC162	
	National	MM74HC162	
	NJR	NJU74HC162	
	SGS-Thomson	M74HC162	
	Sharp	LR74HC162	
	Signetics	74HC162	
	TI	SN74HC162	
	Toshiba	TC74HC162A	
	Universal	US74HC162	
♦ 74HC163	Harris	CD74HC163	
	Hitachi	HD74HC163	
	National	MM74HC163	
	NJR	NJU74HC163	
	Panasonic	MN74HC163	
	SGS-Thomson	M74HC163	
	Sharp	LR74HC163	
	Signetics	74HC163	
	TI	SN74HC163	
	Toshiba	TC74HC163A	
	Universal	US74HC163	
♦ 74HC164	Harris	CD74HC164	
	Hitachi	HD74HC164	
	Motorola	MC74HC164	
	National	MM74HC164	
	NJR	NJU74HC164	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 74HC164			(Cont'd)
	SGS-Thomson	M74HC164	
	Sharp	LR74HC164	
	Signetics	74HC164	
	TI	SN74HC164	
	Toshiba	TC74HC164A	
	Universal	US74HC164	
♦ 74HC165	Harris	CD74HC165	
	Hitachi	HD74HC165	
	Motorola	MC74HC165	
	National	MM74HC165	
	NJR	NJU74HC165	
	SGS-Thomson	M74HC165	
	Sharp	LR74HC165	
	Signetics	74HC165	
	TI	SN74HC165	
	Toshiba	TC74HC165A	
	Universal	US74HC165	
♦ 74HC173	Harris	CD74HC173	
	Hitachi	HD74HC173	
	Motorola	MC74HC173	
	National	MM74HC173	
	SGS-Thomson	M74HC173	
	Sharp	LR74HC173	
	Signetics	74HC173	
	TI	SN74HC173	
	Toshiba	TC74HC173A	
	Universal	US74HC173	
♦ 74HC175	Harris	CD74HC175	
	Hitachi	HD74HC175	
	Motorola	MC74HC175	
	National	MM74HC175	
	NJR	NJU74HC175	
	SGS-Thomson	M74HC175	
	Sharp	LR74HC175	
	Signetics	74HC175	
	TI	SN74HC175	
	Toshiba	TC74HC175A	
	Universal	US74HC175	
♦ 74HC192	Harris	CD74HC192	
	Hitachi	HD74HC192	
	Mitsubishi	M74HC192	
	National	MM74HC192	
	NJR	NJU74HC192	
	SGS-Thomson	M74HC192	
	Signetics	74HC192	
	TI	SN74HC192	
	Toshiba	TC74HC192A	
	Universal	US74HC192	
♦ 74HC193	Harris	CD74HC193	
	Hitachi	HD74HC193	
	Mitsubishi	M74HC193	
	National	MM74HC193	
	SGS-Thomson	M74HC193	
	Signetics	74HC193	
	TI	SN74HC193	
	Toshiba	TC74HC193A	
	Universal	US74HC193	
♦ 74HC195	Harris	CD74HC195	
	Hitachi	HD74HC195	
	Mitsubishi	M74HC195	
	Motorola	MC74HC195	
	National	MM74HC195	
	NJR	NJU74HC195	
	SGS-Thomson	M74HC195	
	Sharp	LR74HC195	
	Signetics	74HC195	
	TI	SN74HC195	
	Toshiba	TC74HC195A	
	Universal	US74HC195	
♦ 74HC20	Harris	CD74HC20	
	Hitachi	HD74HC20	
	Mitsubishi	M74HC20	
	Motorola	MC74HC20	
	National	MM74HC20	
	NJR	NJU74HC20	
	SGS-Thomson	M74HC20	
	Sharp	LR74HC20	
	Signetics	74HC20	
	TI	SN74HC20	
	Toshiba	TC74HC20A	
	Universal	US74HC20	
♦ 74HC221	Harris	CD74HC221	
	Hitachi	HD74HC221	
	National	MM74HC221A	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 74HC221			(Cont'd)
	SGS-Thomson	M74HC221	
		M74HC221A	
♦ 74HC221	Signetics	74HC221	
	Toshiba	TC74HC221	
	Universal	US74HC221	
♦ 74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
♦ 74HC240	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson	M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
♦ 74HC240	TI	SN74HC240	
	Toshiba	TC74HC240A	
♦ 74HC241	Harris	CD74HC241	
	Hitachi	HD74HC241	
	Mitsubishi	M74HC241	
	Motorola	MC74HC241A	
	National	MM74HC241	
	NJR	NJU74HC241	
	SGS-Thomson	M74HC241	
		M74HC241HV	
♦ 74HC241	Sharp	LR74HC241	
	Signetics	74HC241	
	TI	SN74HC241	
	Toshiba	TC74HC241A	
♦ 74HC242	Harris	CD74HC242	
	Hitachi	HD74HC242	
	Mitsubishi	M74HC242	
	Motorola	MC74HC242	
	National	MM74HC242	
	SGS-Thomson	M74HC242	
	Sharp	LR74HC242	
	Signetics	74HC242	
	TI	SN74HC242	
	Toshiba	TC74HC242A	
♦ 74HC243	Harris	CD74HC243	
	Mitsubishi	M74HC243	
	National	MM74HC243	
	SGS-Thomson	M74HC243	
	Sharp	LR74HC243	
	Signetics	74HC243	
	TI	SN74HC243	
	Toshiba	TC74HC243A	
♦ 74HC244	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
♦ 74HC244	Motorola	MC74HC244A	
	National	MM74HC244	
	NJR	NJU74HC244	
	SGS-Thomson	M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
♦ 74HC245	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
♦ 74HC245	National	MM74HC245	
		MM74HC245A	
♦ 74HC245	NJR	NJU74HC245	
	SGS-Thomson	M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
♦ 74HC251	Harris	CD74HC251	
	Hitachi	HD74HC251	
	Mitsubishi	M74HC251	
	Motorola	MC74HC251	
	National	MM74HC251	
	SGS-Thomson	M74HC251	
	Sharp	LR74HC251	
	Signetics	74HC251	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 74HC251			(Cont'd)
	TI	SN74HC251	
	Toshiba	TC74HC251A	
♦ 74HC253	Harris	CD74HC253	
	Hitachi	HD74HC253	
	Mitsubishi	M74HC253	
	Motorola	MC74HC253	
	National	MM74HC253	
	NJR	NJU74HC253	
	SGS-Thomson	M74HC253	
	Sharp	LR74HC253	
	Signetics	PC74HC253	
	TI	SN74HC253	
	Toshiba	TC74HC253	
♦ 74HC257	Harris	CD74HC257	
	Hitachi	HD74HC257	
	Mitsubishi	M74HC257	
	Motorola	MC74HC257	
	National	MM74HC257	
	SGS-Thomson	M74HC257	
	Sharp	LR74HC257	
	Signetics	74HC257	
	TI	SN74HC257	
	Toshiba	TC74HC257A	
♦ 74HC259	Harris	CD74HC259	
	Hitachi	HD74HC259	
	Mitsubishi	M74HC259	
	Motorola	MC74HC259	
	National	MM74HC259	
	NJR	NJU74HC259	
	SGS-Thomson	M74HC259	
	Sharp	LR74HC259	
	Signetics	74HC259	
	TI	SN74HC259	
	Toshiba	TC74HC259A	
♦ 74HC27	Harris	CD74HC27	
	Hitachi	HD74HC27	
	Mitsubishi	M74HC27	
	Motorola	MC74HC27	
	National	MM74HC27	
	NJR	NJU74HC27	
	SGS-Thomson	M74HC27	
	Sharp	LR74HC27	
	Signetics	74HC27	
	TI	SN74HC27	
	Toshiba	TC74HC27A	
♦ 74HC273	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
♦ 74HC273	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson	M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
♦ 74HC280	Harris	CD74HC280	
	Hitachi	HD74HC280	
	Mitsubishi	M74HC280	
	Motorola	MC74HC280	
	National	MM74HC280	
	SGS-Thomson	M74HC280	
	Sharp	LR74HC280	
	Signetics	74HC280	
	TI	SN74HC280	
	Toshiba	TC74HC280A	
♦ 74HC283	Harris	CD74HC283	
	Mitsubishi	M74HC283	
	National	MM74HC283	
	SGS-Thomson	M74HC283	
	Signetics	74HC283	
	TI	SN74HC283	
	Toshiba	TC74HC283A	
♦ 74HC299	Harris	CD74HC299	
	Motorola	MC74HC299	
	National	MM74HC299	
	SGS-Thomson	M74HC299	
	Sharp	LR74HC299	
	Signetics	74HC299	
	TI	SN74HC299	
	Toshiba	TC74HC299A	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
♦ 74HC30	Harris	CD74HC30	
	Hitachi	HD74HC30	
	Mitsubishi	M74HC30	
	Motorola	MC74HC30	
	National	MM74HC30	
	SGS-Thomson	M74HC30	
	Sharp	LR74HC30	
	Signetics	74HC30	
	TI	SN74HC30	
	Toshiba	TC74HC30A	
♦ 74HC32	Harris	CD74HC32	
	Hitachi	HD74HC32	
	Mitsubishi	M74HC32	
	Motorola	MC74HC32A	
	National	MM74HC32	
	NJR	NJU74HC32	
	SGS-Thomson	M74HC32	
	Sharp	LR74HC32	
	Signetics	74HC32	
	TI	SN74HC32	
	Toshiba	TC74HC32A	
♦ 74HC365	GoldStar	GD74HC365	
	Harris	CD74HC365	
	Hitachi	HD74HC365	
	Motorola	MC74HC365	
	National	MM74HC365	
	SGS-Thomson	M74HC365	
	Sharp	LR74HC365	
	Signetics	74HC365	
	TI	SN74HC365	
	Toshiba	TC74HC365A	
♦ 74HC366	GoldStar	GD74HC366	
	Harris	CD74HC366	
	Hitachi	HD74HC366	
	Motorola	MC74HC366	
	National	MM74HC366	
	SGS-Thomson	M74HC366	
	Sharp	LR74HC366	
	Signetics	74HC366	
	TI	SN74HC366	
	Toshiba	TC74HC366A	
♦ 74HC367	GoldStar	GD74HC367	
	Harris	CD74HC367	
	Hitachi	HD74HC367	
	Mitsubishi	M74HC367	
	Motorola	MC74HC367	
	National	MM74HC367	
	SGS-Thomson	M74HC367	
	Signetics	74HC367	
	TI	SN74HC367	
	Toshiba	TC74HC367A	
♦ 74HC368	GoldStar	GD74HC368	
	Harris	CD74HC368	
	Hitachi	HD74HC368	
	Motorola	MC74HC368	
	National	MM74HC368	
	SGS-Thomson	M74HC368	
	Sharp	LR74HC368	
	Signetics	74HC368	
	TI	SN74HC368	
	Toshiba	TC74HC368A	
♦ 74HC373	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	National	MM74HC373	
	NJR	NJU74HC373	
	SGS-Thomson	M74HC373	
	Sharp	LR74HC373	
	Signetics	74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
♦ 74HC374	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	National	MM74HC374	
	NJR	NJU74HC374	
	SGS-Thomson	M74HC374	
	Sharp	LR74HC374	

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Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
♦ 74HC374			(Cont'd)
	Signetics	74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	
♦ 74HC390	Harris	CD74HC390	
	Hitachi	HD74HC390	
	Motorola	MC74HC390	
	National	MM74HC390	
	NJR	NJU74HC390	
	SGS-Thomson	M74HC390	
	Sharp	LR74HC390	
	Signetics	74HC390	
	TI	SN74HC390	
	Toshiba	TC74HC390A	
♦ 74HC393	Harris	CD74HC393	
	Hitachi	HD74HC393	
	Motorola	MC74HC393	
	National	MM74HC393	
	NJR	NJU74HC393	
	SGS-Thomson	M74HC393	
	Sharp	LR74HC393	
	Signetics	74HC393	
	TI	SN74HC393	
	Toshiba	TC74HC393A	
♦ 74HC4017	Harris	CD74HC4017	
	Hitachi	HD74HC4017	
	Motorola	MC74HC4017	
	National	MM74HC4017	
	SGS-Thomson	M74HC4017	
	Signetics	74HC4017	
	TI	SN74HC4017	
	Toshiba	TC74HC4017A	
♦ 74HC4020	Harris	CD74HC4020	
	Hitachi	HD74HC4020	
	Mitsubishi	M74HC4020	
	National	MM74HC4020	
	NJR	NJU74HC4020	
	SGS-Thomson	M74HC4020	
	Signetics	74HC4020	
	TI	SN74HC4020	
	Toshiba	TC74HC4020A	
♦ 74HC4040	Harris	CD74HC4040	
	Hitachi	HD74HC4040	
	Mitsubishi	M74HC4040	
	National	MM74HC4040	
	NJR	NJU74HC4040	
	SGS-Thomson	M74HC4040	
	Signetics	74HC4040	
	TI	SN74HC4040	
	Toshiba	TC74HC4040A	
♦ 74HC4046	Harris	CD74HC4046	
		CD74HC4046A	
♦ 74HC4046	Motorola	MC74HC4046A	
	National	MM74HC4046	
	Signetics	74HC4046A	
♦ 74HC4049	Harris	CD74HC4049	
	Mitsubishi	M74HC4049B	
	Motorola	MC74HC4049	
	National	MM74HC4049	
	SGS-Thomson	M74HC4049	
	Signetics	74HC4049	
	Toshiba	TC74HC4049A	
♦ 74HC4050	Harris	CD74HC4050	
	Mitsubishi	M74HC4050B	
	Motorola	MC74HC4050	
	National	MM74HC4050	
	SGS-Thomson	M74HC4050	
	Signetics	74HC4050	
	Toshiba	TC74HC4050A	
♦ 74HC4051	Harris	CD74HC4051	
	Mitsubishi	M74HC4051	
	Motorola	MC74HC4051	
	National	MM74HC4051	
	SGS-Thomson	M74HC4051	
	Signetics	74HC4051	
	Toshiba	TC74HC4051A	
♦ 74HC4052	Harris	CD74HC4052	
	Mitsubishi	M74HC4052	
	Motorola	MC74HC4052	
	National	MM74HC4052	
	Panasonic	MN74HC4052	
	SGS-Thomson	M74HC4052	
	Signetics	74HC4052	
	Toshiba	TC74HC4052A	

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
♦ 74HC4053	Harris	CD74HC4053	
	Mitsubishi	M74HC4053	
	Motorola	MC74HC4053	
	National	MM74HC4053	
	SGS-Thomson	M74HC4053	
	Signetics	74HC4053	
	Toshiba	TC74HC4053A	
♦ 74HC42	Harris	CD74HC42	
	Hitachi	HD74HC42	
	Mitsubishi	M74HC42	
	Motorola	MC74HC42	
	National	MM74HC42	
	SGS-Thomson	M74HC42	
	Sharp	LR74HC42	
	Signetics	74HC42	
	TI	SN74HC42	
	Toshiba	TC74HC42A	
♦ 74HC4510	Harris	CD74HC4510	
	Signetics	74HC4510	
♦ 74HC4514	Harris	CD74HC4514	
	Hitachi	HD74HC4514	
	Motorola	MC74HC4514	
	National	MM74HC4514	
	SGS-Thomson	M74HC4514	
	Sharp	LR74HC4514	
	Signetics	74HC4514	
	TI	SN74HC4514	
	Toshiba	TC74HC4514A	
♦ 74HC4516	Harris	CD74HC4516	
	Signetics	74HC4516	
♦ 74HC4538	Harris	CD74HC4538	
	Hitachi	HD74HC4538	
	Motorola	MC74HC4538A	
	National	MM74HC4538	
	SGS-Thomson	M74HC4538	
	Signetics	74HC4538	
	Toshiba	TC74HC4538A	
♦ 74HC533	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
♦ 74HC533	Motorola	MC74HC533A	
	National	MM74HC533	
	NJR	NJU74HC533	
	SGS-Thomson	M74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
♦ 74HC534	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
♦ 74HC534	Motorola	MC74HC534A	
	National	MM74HC534	
	NJR	NJU74HC534	
	SGS-Thomson	M74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
♦ 74HC563	Harris	CD74HC563	
	Hitachi	HD74HC563	
	Motorola	MC74HC563	
	National	MM74HC563	
	SGS-Thomson	M74HC563	
	Sharp	LR74HC563	
	Signetics	74HC563	
	TI	SN74HC563	
	Toshiba	TC74HC563A	
♦ 74HC564	Harris	CD74HC564	
	Hitachi	HD74HC564	
	Motorola	MC74HC564	
	National	MM74HC564	
	SGS-Thomson	M74HC564	
	Sharp	LR74HC564	
	Signetics	74HC564	
	TI	SN74HC564	
	Toshiba	TC74HC564A	
♦ 74HC573	Harris	CD74HC573	
	Hitachi	HD74HC573	
	Motorola	MC74HC573A	
	National	MM74HC573	
	SGS-Thomson	M74HC573	
	Signetics	74HC573	

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Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
♦ 74HC573			(Cont'd)
	TI	SN74HC573	
	Toshiba	TC74HC573A	
♦ 74HC574	Harris	CD74HC574	
	Hitachi	HD74HC574	
	Motorola	MC74HC574A	
	National	MM74HC574	
	SGS-Thomson	M74HC574	
	Sharp	LR74HC574	
	Signetics	74HC574	
	TI	SN74HC574	
	Toshiba	TC74HC574A	
♦ 74HC640	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
♦ 74HC640	Motorola	MC74HC640A	
	National	MM74HC640	
	NJR	NJU74HC640	
	SGS-Thomson	M74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	
♦ 74HC643	Harris	CD74HC643	
	Hitachi	HD74HC643	
	Mitsubishi	M74HC643	
		M74HC643-1	
♦ 74HC643	National	MM74HC643	
	NJR	NJU74HC643	
	SGS-Thomson	M74HC643	
	Sharp	LR74HC643	
	Signetics	74HC643	
	TI	SN74HC643	
	Toshiba	TC74HC643A	
♦ 74HC645	Mitsubishi	M74HC645	
		M74HC645-1	
♦ 74HC645	NJR	NJU74HC645	
	TI	SN74HC645	
♦ 74HC646	Harris	CD74HC646	
	Motorola	MC74HC646	
	National	MM74HC646	
	SGS-Thomson	M74HC646	
	Signetics	74HC646	
	TI	SN74HC646	
	Toshiba	TC74HC646A	
♦ 74HC648	Harris	CD74HC648	
	Motorola	MC74HC648	
	National	MM74HC648	
	SGS-Thomson	M74HC648	
	Signetics	74HC648	
	TI	SN74HC648	
	Toshiba	TC74HC648A	
♦ 74HC688	Harris	CD74HC688	
	Hitachi	HD74HC688	
	Motorola	MC74HC688	
	National	MM74HC688	
	SGS-Thomson	M74HC688	
	Sharp	LR74HC688	
	Signetics	74HC688	
	TI	SN74HC688	
	Toshiba	TC74HC688A	
♦ 74HC74	GoldStar	GD74HC74	
	Harris	CD74HC74	
	Hitachi	HD74HC74	
	Mitsubishi	M74HC74	
	Motorola	MC74HC74A	
	National	MM74HC74	
	NJR	NJU74HC74	
	SGS-Thomson	M74HC74	
	Sharp	LR74HC74	
	Signetics	74HC74	
	TI	SN74HC74	
	Toshiba	TC74HC74A	
♦ 74HC75	Harris	CD74HC75	
	Hitachi	HD74HC75	
	Mitsubishi	M74HC75	
	Motorola	MC74HC75	
	National	MM74HC75	
	SGS-Thomson	M74HC75	
	Sharp	LR74HC75	
	Signetics	74HC75	
	TI	SN74HC75	
	Toshiba	TC74HC75A	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 74HC76	Hitachi	HD74HC76	
	Mitsubishi	M74HC76	
	Motorola	MC74HC76	
	National	MM74HC76	
	SGS-Thomson	M74HC76	
	Sharp	LR74HC76	
	TI	SN74HC76	
	Toshiba	TC74HC76A	
♦ 74HC85	Harris	CD74HC85	
	Hitachi	HD74HC85	
	Mitsubishi	M74HC85	
	Motorola	MC74HC85	
	National	MM74HC85	
	NJR	NJU74HC85	
	SGS-Thomson	M74HC85	
	Sharp	LR74HC85	
	Signetics	74HC85	
	TI	SN74HC85	
	Toshiba	TC74HC85A	
♦ 74HC86	Harris	CD74HC86	
	Hitachi	HD74HC86	
	Mitsubishi	M74HC86	
	Motorola	MC74HC86	
	National	MM74HC86	
	NJR	NJU74HC86	
	SGS-Thomson	M74HC86	
	Sharp	LR74HC86	
	Signetics	74HC86	
	TI	SN74HC86	
	Toshiba	TC74HC86A	
♦ 74H00	Lansdale	ML74H00	
		SL74H00	
♦ 74H00	Rochester	74H00	
♦ 74H01	Lansdale	ML74H01	
		SL74H01	
♦ 74H01	Rochester	74H01	
♦ 74H04	Lansdale	ML74H04	
	Rochester	74H04	
♦ 74H05	Lansdale	ML74H05	
	Rochester	74H05	
♦ 74H08	Lansdale	ML74H08	
		SL74H08	
♦ 74H08	Rochester	74H08	
♦ 74H10	Lansdale	ML74H10	
		SL74H10	
♦ 74H10	Rochester	74H10	
♦ 74H101	Lansdale	ML74H101	
		SL74H101	
♦ 74H101	Rochester	74H101	
♦ 74H102	Lansdale	ML74H102	
		SL74H102	
♦ 74H102	Rochester	74H102	
♦ 74H103	Rochester	74H103	
♦ 74H106	Rochester	74H106	
♦ 74H108	Lansdale	ML74H108	
		SL74H108	
♦ 74H108	Rochester	74H108	
♦ 74H11	Lansdale	ML74H11	
		SL74H11	
♦ 74H11	Rochester	74H11	
♦ 74H183	Rochester	74H183	
♦ 74H20	Lansdale	ML74H20	
		SL74H20	
♦ 74H20	Rochester	74H20	
♦ 74H21	Lansdale	ML74H21	
		SL74H21	
♦ 74H21	Rochester	74H21	
♦ 74H22	Lansdale	ML74H22	
		SL74H22	
♦ 74H22	Rochester	74H22	
♦ 74H30	Lansdale	ML74H30	
		SL74H30	
♦ 74H30	Rochester	74H30	
♦ 74H40	Lansdale	ML74H40	
		SL74H40	
♦ 74H40	Rochester	74H40	
♦ 74H50	Lansdale	ML74H50	
	Rochester	74H50	
♦ 74H51	Lansdale	ML74H51	
	Rochester	74H51	
♦ 74H52	Lansdale	ML74H52	
		SL74H52	
♦ 74H52	Rochester	74H52	
♦ 74H53	Lansdale	ML74H53	
		SL74H53	
♦ 74H53	Rochester	74H53	
♦ 74H54	Lansdale	ML74H54	
		SL74H54	
♦ 74H54	Rochester	74H54	
♦ 74H55	Lansdale	ML74H55	
		SL74H55	
♦ 74H55	Rochester	74H55	
♦ 74H60	Lansdale	ML74H60	
		SL75H60	
♦ 74H60	Rochester	74H60	
♦ 74H61	Lansdale	ML74H61	
		SL74H61	
♦ 74H61	Rochester	74H61	
♦ 74H62	Lansdale	ML74H62	
		SL74H62	
♦ 74H62	Rochester	74H62	
♦ 74H71	Lansdale	ML74H71	
		SL74H71	
♦ 74H71	Rochester	74H71	
♦ 74H72	Lansdale	ML74H72	
		SL74H72	
♦ 74H72	Rochester	74H72	
♦ 74H73	Lansdale	ML74H73	
		SL74H73	
♦ 74H73	Rochester	74H73	
♦ 74H74	Rochester	74H74	
♦ 74H76	Rochester	74H76	
♦ 74H78	Rochester	74H78	
♦ 74H87	Rochester	74H87	
♦ 74LS00	Rochester	74LS00	
	GoldStar	GD74LS00	
	Hitachi	HD74LS00	
	Motorola	SN74LS00	
	National	DM74LS00	
	Rochester	74LS00	
	SGS-Thomson	T74LS00	
		74LS00	
♦ 74LS00	Signetics	74LS00	
	TI	SN74LS00	
74LS02	GoldStar	GD74LS02	
	Hitachi	HD74LS02	
	Motorola	SN74LS02	
	National	DM74LS02	
	SGS-Thomson	T74LS02	
		74LS02	
	Signetics	74LS02	
	TI	SN74LS02	
♦ 74LS03	Rochester	74LS03	
	Hitachi	HD74LS03	
	Motorola	SN74LS03	
	National	DM74LS03	
	Rochester	74LS03	
	SGS-Thomson	T74LS03A	
		74LS03	
♦ 74LS03	TI	SN74LS03	
♦ 74LS04	Rochester	74LS04	
	GoldStar	GD74LS04	
	Hitachi	HD74LS04	
	Motorola	SN74LS04	
	National	DM74LS04	
	Rochester	74LS04	
	SGS-Thomson	T74LS04	
		74LS04	
♦ 74LS04	Signetics	74LS04	
	TI	SN74LS04	
♦ 74LS05	Rochester	74LS05	
	GoldStar	GD74LS05	
	Hitachi	HD74LS05	
	Motorola	SN74LS05	
	National	DM74LS05	
	Rochester	74LS05	
	SGS-Thomson	T74LS05A	
		74LS05	
♦ 74LS05	Signetics	74LS05	
	TI	SN74LS05	
♦ 74LS08	Rochester	74LS08	
	GoldStar	GD74LS08	
	Hitachi	HD74LS08	
	Motorola	SN74LS08	
	National	DM74LS08	
	Rochester	74LS08	
	SGS-Thomson	T74LS08	
		74LS08	
♦ 74LS08	Signetics	74LS08	
	TI	SN74LS08	
♦ 74LS09	Rochester	74LS09	
	Hitachi	HD74LS09	
	Motorola	SN74LS09	
		(Continued)	
♦ 74LS09		(Cont'd)	
	National	DM74LS09	
	Rochester	74LS09	
	SGS-Thomson	T74LS09	
		74LS09	
♦ 74LS09	Signetics	74LS09	
	TI	SN74LS09	
♦ 74LS10	Rochester	74LS10	
	GoldStar	GD74LS10	
	Hitachi	HD74LS10	
	Motorola	SN74LS10	
	National	DM74LS10	
	Rochester	74LS10	
	SGS-Thomson	T74LS10	
		74LS10	
♦ 74LS10	Signetics	74LS10	
	TI	SN74LS10	
♦ 74LS107	Hitachi	HD74LS107A	
	Motorola	SN74LS107A	
	National	DM74LS107A	
	Signetics	74LS107	
	TI	SN74LS107A	
74LS109	Hitachi	HD74LS109A	
	Motorola	SN74LS109A	
	National	DM74LS109	
	SGS-Thomson	T74LS109A	
	Signetics	74LS109	
	TI	SN74LS109A	
♦ 74LS11	Rochester	74LS11	
	GoldStar	GD74LS11	
	Hitachi	HD74LS11	
	Motorola	SN74LS11	
	National	DM74LS11	
	Rochester	74LS11	
	SGS-Thomson	T74LS11	
		74LS11	
♦ 74LS11	Signetics	74LS11	
	TI	SN74LS11	
74LS112	Hitachi	HD74LS112	
	Motorola	SN74LS112A	
	National	DM74LS112	
	SGS-Thomson	T74LS112A	
	Signetics	74LS112	
	TI	SN74LS112A	
♦ 74LS113	Hitachi	HD74LS113	
	Motorola	SN74LS113A	
	Rochester	74LS113	
	SGS-Thomson	T74LS113A	
	Signetics	74LS113	
	TI	SN74LS113A	
♦ 74LS114	Hitachi	HD74LS114	
	Motorola	SN74LS114A	
	Rochester	74LS114	
	SGS-Thomson	T74LS114A	
	TI	SN74LS114A	
♦ 74LS12	Rochester	74LS12	
	Hitachi	HD74LS12	
	Motorola	SN74LS12	
	National	DM74LS12	
	Rochester	74LS12	
	SGS-Thomson	T74LS12	
		74LS12	
♦ 74LS12	TI	SN74LS12	
74LS125	GoldStar	GD74LS125A	
	Hitachi	HD74LS125A	
	Motorola	SN74LS125A	
	National	DM74LS125A	
	SGS-Thomson	T74LS125A	
		74LS125A	
	Signetics	74LS125A	
	TI	SN74LS125A	
74LS126	Hitachi	HD74LS126A	
	Motorola	SN74LS126A	
	National	DM74LS126	
	SGS-Thomson	T74LS126A	
		74LS126	
	Signetics	74LS126A	
	TI	SN74LS126A	
74LS13	Hitachi	HD74LS13	
	Motorola	SN74LS13	
	SGS-Thomson	T74LS13	
		74LS13	
		(Continued)	
74LS13		(Cont'd)	
	Signetics	74LS13	
	TI	SN74LS13	
74LS132	Hitachi	HD74LS132	
	Motorola	SN74LS132	
	National	DM74LS132	
	SGS-Thomson	T74LS132	
		74LS132	
	Signetics	74LS132	
	TI	SN74LS132	
74LS133	Motorola	SN74LS133	
	SGS-Thomson	T74LS133	
		74LS133	
74LS136	Hitachi	HD74LS136	
	Motorola	SN74LS136	
	SGS-Thomson	T74LS136	
		74LS136	
	Signetics	74LS136	
	TI	SN74LS136	
74LS138	GoldStar	GD74LS138	
	Hitachi	HD74LS138	
	Motorola	SN74LS138	
	National	DM74LS138	
	SGS-Thomson	T74LS138	
		74LS138	
	Signetics	74LS138	
	TI	SN74LS138	
74LS139	GoldStar	GD74LS139	
	Hitachi	HD74LS139	
	Motorola	SN74LS139	
	National	DM74LS139	
	SGS-Thomson	T74LS139	
		74LS139	
	Signetics	74LS139	
	TI	SN74LS139A	
74LS14	GoldStar	GD74LS14	
	Hitachi	HD74LS14	
	Motorola	SN74LS14	
	National	DM74LS14	
	SGS-Thomson	T74LS14	
		74LS14	
	Signetics	74LS14	
	TI	SN74LS14	
♦ 74LS145	Hitachi	HD74LS145	
	Motorola	SN74LS145	
	TI	SN74LS145	
74LS15	Hitachi	HD74LS15	
	Motorola	SN74LS15	
	SGS-Thomson	T74LS15	
		74LS15	
	TI	SN74LS15	
74LS151	Hitachi	HD74LS151A	
	Motorola	SN74LS151	
	National	DM74LS151	
	SGS-Thomson	T74LS151	
		74LS151	
	Signetics	74LS151	
	TI	SN74LS151	
♦ 74LS152	Rochester	74LS152	
74LS153	GoldStar	GD74LS153	
	Hitachi	HD74LS153	
	Motorola	SN74LS153	
	National	DM74LS153	
	SGS-Thomson	T74LS153	
		74LS153	
	Signetics	74LS153	
	TI	SN74LS153	
74LS155	Hitachi	HD74LS155	
	Motorola	SN74LS155	
	National	DM74LS155	
	SGS-Thomson	T74LS155	
		74LS155	
	Signetics	74LS155	
	TI	SN74LS155A	
74LS156	Hitachi	HD74LS156	
	Motorola	SN74LS156	
	National	DM74LS156	
	SGS-Thomson	T74LS156	
		74LS156	
	Signetics	74LS156	
	TI	SN74LS156	
74LS157	GoldStar	GD74LS157	
	Hitachi	HD74LS157	
		(Continued)	

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National Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS157			(Cont'd)
	Motorola	SN74LS157	
	National	DM74LS157	
	SGS-Thomson		
		T74LS157	
		74LS157	
	Signetics	74LS157	
	TI	SN74LS157	
♦ 74LS158	Rochester	74LS158	
	GoldStar	GD74LS158	
	Hitachi	HD74LS158	
	Motorola	SN74LS158	
	National	DM74LS158	
	Rochester	74LS158	
	SGS-Thomson		
		T74LS158	
		74LS158	
♦ 74LS158	Signetics	74LS158	
	TI	SN74LS158	
74LS160	Hitachi	HD74LS160A	
	Motorola	SN74LS160A	
	Signetics	74LS160A	
	TI	SN74LS160A	
74LS161	GoldStar	GD74LS161A	
	Hitachi	HD74LS161A	
	Motorola	SN74LS161A	
	National	DM74LS161A	
	Signetics	74LS161A	
	TI	SN74LS161A	
74LS162	Hitachi	HD74LS162A	
	Motorola	SN74LS162A	
	Signetics	74LS162A	
	TI	SN74LS162A	
74LS163	GoldStar	GD74LS163A	
	Hitachi	HD74LS163A	
	Motorola	SN74LS163A	
	National	DM74LS163A	
	Signetics	74LS163A	
	TI	SN74LS163A	
74LS164	GoldStar	GD74LS164	
	Hitachi	HD74LS164	
	Motorola	SN74LS164	
	National	DM74LS164	
	SGS-Thomson		
		T74LS164	
		74LS164	
	Signetics	74LS164	
	TI	SN74LS164	
74LS165	Hitachi	HD74LS165A	
	Motorola	SN74LS165	
	TI	SN74LS165A	
♦ 74LS168	Motorola	SN74LS168	
	SGS-Thomson		
		T74LS168	
		74LS168	
74LS169	Motorola	SN74LS169	
	National	DM74LS169A	
	Rochester	74LS169	
	SGS-Thomson		
		T74LS169	
		74LS169	
	Signetics	74LS169A	
	TI	SN74LS169B	
74LS170	Hitachi	HD74LS170	
	Motorola	SN74LS170	
	SGS-Thomson		
		T74LS170	
		74LS170	
	TI	SN74LS170	
74LS173A	Motorola	SN74LS173A	
	Signetics	74LS173	
	TI	SN74LS173A	
74LS174	GoldStar	GD74LS174	
	Hitachi	HD74LS174	
	Motorola	SN74LS174	
	National	DM74LS174	
	SGS-Thomson		
		T74LS174	
		74LS174	
	Signetics	74LS174	
	TI	SN74LS174	
74LS175	GoldStar	GD74LS175	
	Hitachi	HD74LS175	
	Motorola	SN74LS175	
	National	DM74LS175	
	SGS-Thomson		
		T74LS175	
		74LS175	
	Signetics	74LS175	
	TI	SN74LS175	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74LS181	Hitachi	HD74LS181	
	Motorola	SN74LS181	
	SGS-Thomson		
		T74LS181	
		74LS181	
	TI	SN74LS181	
♦ 74LS189	TI	SN74LS189A	
74LS190	Hitachi	HD74LS190	
	Motorola	SN74LS190	
	National	DM74LS190	
	SGS-Thomson		
		T74LS190	
		74LS190	
	TI	SN74LS190	
74LS191	Hitachi	HD74LS191	
	Motorola	SN74LS191	
	National	DM74LS191	
	SGS-Thomson		
		T74LS191	
		74LS191	
	Signetics	74LS191	
	TI	SN74LS191	
74LS192	Hitachi	HD74LS192	
	Motorola	SN74LS192	
	SGS-Thomson		
		T74LS192	
		74LS192	
	Signetics	74LS192	
	TI	SN74LS192	
74LS193	Hitachi	HD74LS193	
	Motorola	SN74LS193	
	National	DM74LS193	
	SGS-Thomson		
		T74LS193	
		74LS193	
	Signetics	74LS193	
	TI	SN74LS193	
♦ 74LS194	Rochester	74LS194	
♦ 74LS195	Hitachi	HD74LS195A	
	Motorola	SN74LS195A	
	National	DM74LS195A	
	SGS-Thomson		
		T74LS195A	
		74LS195	
♦ 74LS195	Signetics	74LS195A	
	TI	SN74LS195A	
74LS196	Motorola	SN74LS196	
	SGS-Thomson		
		T74LS196	
		74LS196	
	TI	SN74LS196	
74LS197	Motorola	SN74LS197	
	SGS-Thomson		
		T74LS197	
		74LS197	
	Signetics	74LS197	
	TI	SN74LS197	
♦ 74LS20	Rochester	74LS20	
	Hitachi	HD74LS20	
	Motorola	SN74LS20	
	National	DM74LS20	
	Rochester	74LS20	
	SGS-Thomson		
		T74LS20	
		74LS20	
♦ 74LS20	Signetics	74LS20	
	TI	SN74LS20	
♦ 74LS21	Rochester	74LS21	
	GoldStar	GD74LS21	
	Hitachi	HD74LS21	
	Motorola	SN74LS21	
	National	DM74LS21	
	Rochester	74LS21	
	SGS-Thomson		
		T74LS21	
		74LS21	
♦ 74LS21	Signetics	74LS21	
	TI	SN74LS21	
♦ 74LS22	Hitachi	HD74LS22	
	Motorola	SN74LS22	
	SGS-Thomson		
		T74LS22	
		74LS22	
74LS240	GoldStar	GD74LS240	
	Hitachi	HD74LS240	
	Motorola	SN74LS240	
	National	DM74LS240	
	SGS-Thomson		
		T74LS240	
		74LS240	
	Signetics	74LS240	
	TI	SN74LS240	
74LS241	GoldStar	GD74LS241	
	Hitachi	HD74LS241	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74LS241			(Cont'd)
	Motorola	SN74LS241	
	National	DM74LS241	
	SGS-Thomson		
		T74LS241	
		74LS241	
	Signetics	74LS241	
	TI	SN74LS241	
♦ 74LS242	Hitachi	HD74LS242	
	Motorola	SN74LS242	
	Signetics	74LS242	
	TI	SN74LS242	
♦ 74LS243	Hitachi	HD74LS243	
	Motorola	SN74LS243	
	National	DM74LS243	
	Signetics	74LS243	
	TI	SN74LS243	
74LS244	GoldStar	GD74LS244	
	Hitachi	HD74LS244	
	Motorola	SN74LS244	
	National	DM74LS244	
	SGS-Thomson		
		T74LS244	
		74LS244	
	Signetics	74LS244	
	TI	SN74LS244	
♦ 74LS245	Rochester	74LS245	
	GoldStar	GD74LS245	
	Hitachi	HD74LS245	
	Motorola	SN74LS245	
	National	DM74LS245	
	Rochester	74LS245	
	SGS-Thomson		
		T74LS245	
		74LS245	
♦ 74LS245	Signetics	74LS245	
	TI	SN74LS245	
74LS247	Hitachi	HD74LS247	
	Motorola	SN74LS247	
	TI	SN74LS247	
74LS248	Hitachi	HD74LS248	
	Motorola	SN74LS248	
74LS249	Hitachi	HD74LS249	
♦ 74LS251	Rochester	74LS251	
	Hitachi	HD74LS251	
	Motorola	SN74LS251	
	National	DM74LS251	
	Rochester	74LS251	
	SGS-Thomson		
		T74LS251	
		74LS251	
♦ 74LS251	Signetics	74LS251	
	TI	SN74LS251	
♦ 74LS253	Rochester	74LS253	
	Hitachi	HD74LS253	
	Motorola	SN74LS253	
	National	DM74LS253	
	Rochester	74LS253	
	SGS-Thomson		
		T74LS253	
		74LS253	
♦ 74LS253	Signetics	74LS253	
	TI	SN74LS253	
74LS256	Motorola	SN74LS256	
	SGS-Thomson		
		T74LS256	
		74LS256	
	Signetics	74LS256	
♦ 74LS257	Rochester	74LS257	
	GoldStar	GD74LS257A	
	Hitachi	HD74LS257	
	Motorola	SN74LS257A	
	National	DM74LS257B	
	Rochester	74LS257	
	SGS-Thomson		
		T74LS257A	
		74LS257	
♦ 74LS257	Signetics	74LS257A	
	TI	SN74LS257B	
♦ 74LS258	Rochester	74LS258	
	Hitachi	HD74LS258	
	Motorola	SN74LS258A	
	National	DM74LS258B	
	Rochester	74LS258	
	SGS-Thomson		
		T74LS258A	
		74LS258	
♦ 74LS258	Signetics	74LS258A	
	TI	SN74LS258B	
♦ 74LS259	Rochester	74LS259	
	Hitachi	HD74LS259	
	Motorola	SN74LS259	
	National	DM74LS259	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 74LS259			(Cont'd)
	Rochester	74LS259	
	SGS-Thomson		
		T74LS259	
		74LS259	
♦ 74LS259	Signetics	74LS259	
	TI	SN74LS259B	
♦ 74LS26	Rochester	74LS26	
	Hitachi	HD74LS26	
	Motorola	SN74LS26	
	National	DM74LS26	
	Rochester	74LS26	
	SGS-Thomson		
		T74LS26A	
		74LS26	
♦ 74LS26	Signetics	74LS26	
	TI	SN74LS26	
74LS260	Motorola	SN74LS260	
	SGS-Thomson		
		T74LS260	
		74LS260	
	Signetics	74LS260	
74LS266	Hitachi	HD74LS266	
	Motorola	SN74LS266	
	SGS-Thomson		
		T74LS266	
		74LS266	
	Signetics	74LS266	
	TI	SN74LS266	
♦ 74LS27	Rochester	74LS27	
	GoldStar	GD74LS27	
	Hitachi	HD74LS27	
	Motorola	SN74LS27	
	National	DM74LS27	
	Rochester	74LS27	
	SGS-Thomson		
		T74LS27	
		74LS27	
♦ 74LS27	Signetics	74LS27	
	TI	SN74LS27	
74LS273	GoldStar	GD74LS273	
	Hitachi	HD74LS273	
	Motorola	SN74LS273	
	SGS-Thomson		
		T74LS273	
		74LS273	
	Signetics	74LS273	
	TI	SN74LS273	
♦ 74LS279	Rochester	74LS279	
	Hitachi	HD74LS279	
	Motorola	SN74LS279	
	National	DM74LS279	
	Rochester	74LS279	
	SGS-Thomson		
		T74LS279	
		74LS279	
♦ 74LS279	TI	SN74LS279A	
74LS28	Motorola	SN74LS28	
	SGS-Thomson		
		T74LS28	
		74LS28	
	TI	SN74LS28	
74LS283	Hitachi	HD74LS283A	
	Motorola	SN74LS283	
	National	DM74LS283	
	SGS-Thomson		
		T74LS283	
		74LS283	
	Signetics	74LS283	
	TI	SN74LS283	
74LS290	Hitachi	HD74LS290	
	Motorola	SN74LS290	
	National	DM74LS290	
	Signetics	74LS290	
	TI	SN74LS290	
74LS293	Hitachi	HD74LS293	
	Motorola	SN74LS293	
	National	DM74LS293	
	SGS-Thomson		
		T74LS293	
		74LS293	
	Signetics	74LS293	
	TI	SN74LS293	
♦ 74LS295	SGS-Thomson		
		T74LS295A	
		74LS295A	
♦ 74LS295	Signetics	74LS295B	
	TI	SN74LS295B	
74LS298	Hitachi	HD74LS298	
	Motorola	SN74LS298	
	SGS-Thomson		
		T74LS298	
		74LS298	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
74LS298			(Cont'd)
	Signetics	74LS298	
	TI	SN74LS298	
74LS299	GoldStar	GD74LS299	
	Hitachi	HD74LS299	
	Motorola	SN74LS299	
	TI	SN74LS299	
♦ 74LS30	Rochester	74LS30	
	GoldStar	GD74LS30	
	Hitachi	HD74LS30	
	Motorola	SN74LS30	
	National	DM74LS30	
	Rochester	74LS30	
	SGS-Thomson		
		T74LS30	
		74LS30	
♦ 74LS30	Signetics	74LS30	
	TI	SN74LS30	
♦ 74LS32	Rochester	74LS32	
	GoldStar	GD74LS32	
	Hitachi	HD74LS32	
	Motorola	SN74LS32	
	National	DM74LS32	
	Rochester	74LS32	
	SGS-Thomson		
		T74LS32	
		74LS32	
♦ 74LS32	Signetics	74LS32	
	TI	SN74LS32	
♦ 74LS321	Rochester	74LS321	
74LS322	Motorola	SN74LS322A	
	TI	SN74LS322A	
74LS323	Motorola	SN74LS323	
	TI	SN74LS323	
74LS33	Motorola	SN74LS33	
	SGS-Thomson		
		T74LS33	
		74LS33	
	Signetics	74LS33	
	TI	SN74LS33	
74LS352	Motorola	SN74LS352	
	National	DM74LS352	
	SGS-Thomson		
		T74LS352	
		74LS352	
	Signetics	74LS352	
	TI	SN74LS352	
74LS353	Motorola	SN74LS353	
	SGS-Thomson		
		T74LS353	
		74LS353	
	Signetics	74LS353	
	TI	SN74LS353	
74LS365	Hitachi	HD74LS365A	
	Motorola	SN74LS365A	
	National	DM74LS365A	
	Rochester	74LS365	
	SGS-Thomson		
		T74LS365A	
		74LS365A	
	Signetics	74LS365A	
	TI	SN74LS365A	
74LS366	Hitachi	HD74LS366A	
	Motorola	SN74LS366A	
	National	DM74LS366A	
	SGS-Thomson		
		T74LS366A	
		74LS366A	
	Signetics	74LS366A	
	TI	SN74LS366A	
♦ 74LS367	Rochester	74LS367	
	GoldStar	GD74LS367A	
	Hitachi	HD74LS367A	
	Motorola	SN74LS367A	
	National	DM74LS367A	
	Rochester	74LS367	
	SGS-Thomson		
		T74LS367A	
		74LS367A	
♦ 74LS367	Signetics	74LS367A	
	TI	SN74LS367A	
♦ 74LS368	Rochester	74LS368	
	Hitachi	HD74LS368A	
	Motorola	SN74LS368A	
	National	DM74LS368A	
	Rochester	74LS368	
	SGS-Thomson		
		T74LS368A	
		74LS368A	
			(Continued)
♦ 74LS368	Signetics	74LS368A	
	TI	SN74LS368A	
♦ 74LS37	Rochester	74LS37	
	Hitachi	HD74LS37	
	Motorola	SN74LS37	
	National	DM74LS37	
	Rochester	74LS37	
	SGS-Thomson		
		T74LS37	
		74LS37	
♦ 74LS37	Signetics	74LS37	
	TI	SN74LS37	
74LS373	GoldStar	GD74LS373	
	Hitachi	HD74LS373	
	Motorola	SN74LS373	
	National	DM74LS373	
	SGS-Thomson		
		T74LS373	
		74LS373	
	Signetics	74LS373	
	TI	SN74LS373	
74LS374	GoldStar	GD74LS374	
	Hitachi	HD74LS374	
	Motorola	SN74LS374	
	National	DM74LS374	
	SGS-Thomson		
		T74LS374	
		74LS374	
	Signetics	74LS374	
	TI	SN74LS374	
74LS375	Hitachi	HD74LS375	
	Motorola	SN74LS375	
	Signetics	74LS375	
	TI	SN74LS375	
74LS377	Motorola	SN74LS377	
	SGS-Thomson		
		T74LS377	
		74LS377	
	Signetics	74LS377	
	TI	SN74LS377	
74LS378	Motorola	SN74LS378	
	SGS-Thomson		
		T74LS378	
		74LS378	
	Signetics	74LS378	
	TI	SN74LS378	
74LS379	Motorola	SN74LS379	
	SGS-Thomson		
		T74LS379	
		74LS379	
	TI	SN74LS379	
♦ 74LS38	Rochester	74LS38	
	Hitachi	HD74LS38	
	Motorola	SN74LS38	
	National	DM74LS38	
	Rochester	74LS38	
	SGS-Thomson		
		T74LS38	
		74LS38	
♦ 74LS38	Signetics	74LS38	
	TI	SN74LS38	
♦ 74LS386	Rochester	74LS386	
	Hitachi	HD74LS386	
	Motorola	SN74LS386	
	Rochester	74LS386	
♦ 74LS390	Hitachi	HD74LS390	
	Motorola	SN74LS390	
	National	DM74LS390	
	SGS-Thomson		
		T74LS390	
		74LS390	
♦ 74LS390	Signetics	74LS390	
	TI	SN74LS390	
74LS393	GoldStar	GD74LS393	
	Hitachi	HD74LS393	
	Motorola	SN74LS393	
	National	DM74LS393	
	SGS-Thomson		
		T74LS393	
		74LS393	
	Signetics	74LS393	
	TI	SN74LS393	
74LS395	SGS-Thomson		
		T74LS395A	
		74LS395	
	Signetics	74LS395A	
	TI	SN74LS395A	
♦ 74LS398	Motorola	SN74LS398	
♦ 74LS399	Motorola	SN74LS399	
	SGS-Thomson		
		T74LS399	
		74LS399	
♦ 74LS399	TI	SN74LS399	
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74LS40	Hitachi	HD74LS40	
	Motorola	SN74LS40	
	SGS-Thomson		
		T74LS40	
		74LS40	
	TI	SN74LS40	
♦ 74LS42	Rochester	74LS42	
	Hitachi	HD74LS42	
	Motorola	SN74LS42	
	National	DM74LS42	
	Rochester	74LS42	
	SGS-Thomson		
		T74LS42	
		74LS42	
♦ 74LS42	Signetics	74LS42	
	TI	SN74LS42	
74LS47	Hitachi	HD74LS47	
	Motorola	SN74LS47	
	TI	SN74LS47	
74LS471	Signetics	N82S135	
74LS48	Hitachi	HD74LS48	
	Motorola	SN74LS48	
♦ 74LS49	Hitachi	HD74LS49	
74LS490	Hitachi	HD74LS490	
	Motorola	SN74LS490	
	SGS-Thomson		
		T74LS490	
		74LS490	
	Signetics	74LS490	
♦ 74LS51	Rochester	74LS51	
	Hitachi	HD74LS51	
	Motorola	SN74LS51	
	National	DM74LS51	
	Rochester	74LS51	
	SGS-Thomson		
		T74LS51	
		74LS51	
♦ 74LS51	Signetics	74LS51	
	TI	SN74LS51	
74LS533	SGS-Thomson		
		T74LS533	
74LS534	SGS-Thomson		
		T74LS534	
74LS54	Hitachi	HD74LS54	
	Motorola	SN74LS54	
	SGS-Thomson		
		T74LS54	
		74LS54	
	Signetics	74LS54	
	TI	SN74LS54	
74LS540	Motorola	SN74LS540	
	SGS-Thomson		
		T74LS540	
	Signetics	74LS540	
	TI	SN74LS540	
♦ 74LS541	Motorola	SN74LS541	
	Signetics	74LS541	
	TI	SN74LS541	
♦ 74LS55	Rochester	74LS55	
	Hitachi	HD74LS55	
	Motorola	SN74LS55	
	Rochester	74LS55	
	SGS-Thomson		
		T74LS55	
		74LS55	
♦ 74LS55	TI	SN74LS55	
♦ 74LS56	Rochester	74LS56	
♦ 74LS57	Rochester	74LS57	
♦ 74LS670	Rochester	74LS670	
	GoldStar	GD74LS670	
	Motorola	SN74LS670	
	National	DM74LS670	
	Rochester	74LS670	
	SGS-Thomson		
		T74LS670	
		74LS670	
♦ 74LS670	Signetics	74LS670	
	TI	SN74LS670	
♦ 74LS696	Rochester	74LS696	
♦ 74LS74	Rochester	74LS74	
	GoldStar	GD74LS74A	
	Hitachi	HD74LS74A	
	Motorola	SN74LS74A	
	National	DM74LS74	
	Rochester	74LS74	
	SGS-Thomson		
		T74LS74A	
		74LS74	
♦ 74LS74	Signetics	74LS74A	
	TI	SN74LS74A	
♦ 74LS75	Rochester	74LS75	
♦ 74LS83	Rochester	74LS83	
	Hitachi	HD74LS83A	
	Motorola	SN74LS83A	
			(Continued)
♦ 74LS83			(Cont'd)
	National	DM74LS83A	
	Rochester	74LS83	
	SGS-Thomson		
		T74LS83A	
		74LS83A	
♦ 74LS83	Signetics	74LS83A	
	TI	SN74LS83A	
♦ 74LS85	Rochester	74LS85	
	Hitachi	HD74LS85	
	Motorola	SN74LS85	
	National	DM74LS85	
	Rochester	74LS85	
	Signetics	74LS85	
	TI	SN74LS85	
♦ 74LS86	Rochester	74LS86	
	GoldStar	GD74LS86	
	Hitachi	HD74LS86	
	Motorola	SN74LS86	
	National	DM74LS86	
	Rochester	74LS86	
	SGS-Thomson		
		T74LS86	
		74LS86	
♦ 74LS86	Signetics	74LS86	
	TI	SN74LS86A	
♦ 74LS90	Rochester	74LS90	
♦ 74LS92	Hitachi	HD74LS92	
	Motorola	SN74LS92	
	Signetics	74LS92	
	TI	SN74LS92	
♦ 74LS93	GoldStar	GD74LS93	
	Hitachi	HD74LS93	
	Motorola	SN74LS93	
	National	DM74LS93	
	Rochester	74LS93	
	SGS-Thomson		
		74LS93	
	Signetics	74LS93	
	TI	SN74LS93	
♦ 74LS94	Rochester	74LS94	
74LS95B	Hitachi	HD74LS95B	
	Motorola	SN74LS95B	
	SGS-Thomson		
		T74LS95B	
		74LS95B	
	Signetics	74LS95B	
	TI	SN74LS95B	
74S00	GoldStar	GD74S00	
	National	DM74S00	
	Signetics	74S00	
	TI	SN74S00	
74S02	National	DM74S02	
	Signetics	74S02	
	TI	SN74S02	
♦ 74S03	Rochester	74S03	
	National	DM74S03	
	Rochester	74S03	
	Signetics	74S03	
	TI	SN74S03	
♦ 74S04	Rochester	74S04	
	GoldStar	GD74S04	
	National	DM74S04	
	Rochester	74S04	
	Signetics	74S04	
	TI	SN74S04	
♦ 74S05	Rochester	74S05	
	National	DM74S05	
	Rochester	74S05	
	Signetics	74S05	
	TI	SN74S05	
74S08	GoldStar	GD74S08	
	National	DM74S08	
	Signetics	74S08	
	TI	SN74S08	
♦ 74S09	Rochester	74S09	
74S10	National	DM74S10	
	Signetics	74S10	
	TI	SN74S10	
♦ 74S11	Rochester	74S11	
	National	DM74S11	
	Rochester	74S11	
	Signetics	74S11	
	TI	SN74S11	
♦ 74S112	Rochester	74S112	
	GoldStar	GD74S112	
	National	DM74S112	
	Rochester	74S112	
	Signetics	74S112	
	TI	SN74S112	
♦ 74S113	National	DM74S113	
	Rochester	74S113	
	TI	SN74S113	
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♦ 74S114	Rochester	74S114	
74S132	TI	SN74S132	
♦ 74S133	Rochester	74S133	
	National	DM74S133	
	Rochester	74S133	
	Signetics	74S133	
	TI	SN74S133	
♦ 74S134	Rochester	74S134	
	Signetics	74S134	
	TI	SN74S134	
♦ 74S135	Rochester	74S135	
	TI	SN74S135	
74S138	National	DM74S138	
	Signetics	74S138	
	TI	SN74S138	
♦ 74S139	Rochester	74S139	
	National	DM74S139	
	Rochester	74S139	
	Signetics	74S139	
	TI	SN74S139	
♦ 74S140	National	DM74S140	
	Signetics	74S140	
	TI	SN74S140	
♦ 74S15	TI	SN74S15	
♦ 74S151	Rochester	74S151	
	National	DM74S151	
	Rochester	74S151	
	Signetics	74S151	
	TI	SN74S151	
♦ 74S153	Rochester	74S153	
	National	DM74S153	
	Rochester	74S153	
	Signetics	74S153	
	TI	SN74S153	
♦ 74S157	Rochester	74S157	
	National	DM74S157	
	Rochester	74S157	
	Signetics	74S157	
	TI	SN74S157	
♦ 74S158	Rochester	74S158	
	National	DM74S158	
	Rochester	74S158	
	Signetics	74S158	
	TI	SN74S158	
♦ 74S174	Rochester	74S174	
	GoldStar	GD74S174	
	National	DM74S174	
	Rochester	74S174	
	Signetics	74S174	
	TI	SN74S174	
74S175	National	DM74S175	
	Signetics	74S175	
	TI	SN74S175	
♦ 74S181	Lansdale	HL7681	
♦ 74S185	Lansdale	HL7685	
♦ 74S188	Lansdale	HL7602	
	Signetics	N82S23	
		N82S23A	
♦ 74S189	Cypress	CY74S189-35C	
	National	DM74S189	
		DM74S189A	
♦ 74S189	Signetics	74S189	
♦ 74S194	Rochester	74S194	
	National	DM74S194	
	Rochester	74S194	
	TI	SN74S194	
♦ 74S20	Rochester	74S20	
	National	DM74S20	
	Rochester	74S20	
	Signetics	74S20	
	TI	SN74S20	
74S200	Signetics	N82S16	
74S206	Signetics	N82LS16	
♦ 74S22	TI	SN74S22	
74S253	National	DM74S253	
	Signetics	74S253	
	TI	SN74S253	
♦ 74S257	Rochester	74S257	
	National	DM74S257	
	Rochester	74S257	
	Signetics	74S257	
	TI	SN74S257	
♦ 74S258	Rochester	74S258	
	National	DM74S258	
	Rochester	74S258	
	Signetics	74S258	
	TI	SN74S258	

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♦ 74S260	Rochester	74S260	
	Signetics	74S260	
	TI	SN74S260	
♦ 74S287	Lansdale	HL7611	
	Signetics	N82S129	
		82S129	
74S287A	Signetics	N82S129A	
♦ 74S288	Lansdale	HL7603	
	Signetics	N82S123	
74S288A	Signetics	N82S123A	
♦ 74S289	National	DM74S289	
	Rochester	74S289	
♦ 74S30	Rochester	74S30	
	National	DM74S30	
	Rochester	74S30	
	TI	SN74S30	
74S32	GoldStar	GD74S32	
	National	DM74S32	
	Signetics	74S32	
	TI	SN74S32	
♦ 74S387	Lansdale	HL7610	
	Signetics	N82S126	
74S387A	Signetics	N82S126A	
74S40	National	DM74S40	
	Signetics	74S40	
	TI	SN74S40	
♦ 74S472	Lansdale	HL7649	
	Signetics	N82S147A	
74S472A	Signetics	N82S147B	
♦ 74S474	Lansdale	HL7641	
	Signetics	N82S141A	
74S474A	Signetics	N82S141B	
♦ 74S475	Lansdale	HL7640	
74S51	GoldStar	GD74S51	
	National	DM74S51	
	Signetics	74S51	
	TI	SN74S51	
♦ 74S570	Lansdale	HL7620	
	Signetics	N82S130	
74S570A	Signetics	N82S130A	
♦ 74S571	Lansdale	HL7621	
	Signetics	N82S131	
74S571A	Signetics	N82S131A	
♦ 74S572	Lansdale	HL7642	
♦ 74S573	Lansdale	HL7643	
	Signetics	82S137	
74S573A	Signetics	82S137A	
74S573B	Signetics	82S137B	
♦ 74S64	Rochester	74S64	
	National	DM74S64	
	Rochester	74S64	
	Signetics	74S64	
	TI	SN74S64	
♦ 74S65	TI	SN74S65	
♦ 74S74	Rochester	74S74	
	GoldStar	GD74S74	
	National	DM74S74	
	Rochester	74S74	
	Signetics	74S74	
	TI	SN74S74	
♦ 74S86	Rochester	74S86	
	National	DM74S86	
	Rochester	74S86	
	Signetics	74S86	
	TI	SN74S86	
♦ 7400	Lansdale	ML7400	
♦ 7401	Lansdale	ML701	
		ML7401	
		SL7401	
♦ 7401	Rochester	7401	
♦ 7402	Lansdale	ML7402	
		SL7402	
♦ 7403	Lansdale	ML7403	
♦ 7404	Lansdale	ML7404	
	Rochester	7504	
♦ 7405	Lansdale	ML7405	
♦ 7406	Lansdale	ML7406	
	Rochester	7406	
♦ 7407	Lansdale	ML7407	
	Rochester	7407	
♦ 7408	Lansdale	ML7408	
	Rochester	7408	
♦ 7409	Lansdale	ML7409	
		SL7409	
♦ 7410	Lansdale	ML7410	
	Rochester	7410	
♦ 7411	Rochester	7411	
♦ 7412	Rochester	7412	
♦ 74122	Rochester	74122	
♦ 74125	Rochester	74125	
♦ 74126	Rochester	74126	
♦ 7413	Rochester	7413	
♦ 74132	Rochester	74132	

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♦ 7414	Rochester	7414	
♦ 74141	Lansdale	ML74141	
	Rochester	74141	
♦ 74152	Rochester	74152	
♦ 74153	Rochester	74153	
♦ 74154	Lansdale	ML8311	
♦ 74156	Rochester	74156	
♦ 74157	Lansdale	ML8322	
	Rochester	74157	
♦ 7416	Lansdale	ML7416	
♦ 74160	Lansdale	ML8310	
		ML8316	
♦ 74160	Rochester	74160	
♦ 74162	Rochester	74162	
♦ 74163	Rochester	74163	
♦ 74164	Rochester	74164	
♦ 74165	Rochester	74165	
♦ 74166	Rochester	74166	
♦ 74167	Rochester	74167	
♦ 7417	Lansdale	ML7417	
♦ 74173	Rochester	74173	
♦ 74175	Rochester	74175	
♦ 74176	Rochester	74176	
♦ 74177	Rochester	74177	
♦ 74178	Rochester	74178	
♦ 74179	Rochester	74179	
♦ 74180	Rochester	74180	
♦ 74181	Rochester	74181	
		8181	
		9341	
♦ 74182	Rochester	74182	
♦ 74190	Rochester	74190	
♦ 74191	Rochester	74191	
♦ 74192	Rochester	74192	
♦ 74193	Rochester	74193	
♦ 74194	Rochester	74194	
♦ 74195	Rochester	74195	
♦ 74196	Rochester	74196	
♦ 74198	Rochester	74198	
♦ 74199	Rochester	74199	
♦ 7420	Lansdale	ML7420	
	Rochester	7420	
♦ 7421	Rochester	7421	
♦ 7422	Rochester	7422	
♦ 7423	Lansdale	ML7423	
	Rochester	7423	
♦ 7425	Lansdale	ML7425	
	Rochester	7425	
♦ 74251	Rochester	74251	
♦ 7426	Lansdale	ML7426	
	Rochester	7426	
♦ 7427	Lansdale	ML7427	
	Rochester	7427	
♦ 74279	Rochester	74279	
♦ 74290	Rochester	74290	
♦ 74293	Rochester	74293	
♦ 74298	Rochester	74298	
♦ 7430	Lansdale	ML7430	
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♦ 7437	Lansdale	ML7437	
	Rochester	7437	
♦ 7438	Lansdale	ML7438	
	Rochester	7438	
♦ 7439	Rochester	7439	
♦ 7440	Rochester	7440	
♦ 7441	Lansdale	ML7441	
♦ 7442	Lansdale	ML7442	
♦ 7443	Lansdale	ML7443	
	Rochester	7443	
♦ 7444	Lansdale	ML7444	
	Rochester	7444	
♦ 7446	Rochester	7446	
♦ 7447	Lansdale	ML7447	
		SL7447	
♦ 7448	Lansdale	ML7448	
		SL7448	
♦ 7448	Rochester	7448	
♦ 7450	Lansdale	ML7450	
	Rochester	7450	
♦ 7451	Lansdale	ML7451	
♦ 7453	Lansdale	ML7453	
		SL7453	
♦ 7453	Rochester	7453	
♦ 7454	Lansdale	ML7454	
		SL7454	
♦ 7454	Rochester	7454	
♦ 7460	Lansdale	ML7460	
		SL7460	
♦ 7460	Rochester	7460	
♦ 7470	Lansdale	ML7470	
		SL7470	
♦ 7470	Rochester	7470	

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♦ 7472	Lansdale	ML7472	
		SL7472	
♦ 7472	Rochester	7472	
♦ 7473	Lansdale	ML7473	
♦ 7474	Lansdale	ML7474	
	Rochester	7474	
♦ 7475	Lansdale	ML7475	
	Rochester	7475	
♦ 7476	Lansdale	ML7476	
	Rochester	7476	
♦ 7477	Rochester	7477	
♦ 7480	Lansdale	ML7480	
		SL7480	
♦ 7480	Rochester	7480	
♦ 7481	Lansdale	ML4004	
		ML4304	
♦ 7482	Rochester	7482	
♦ 7483	Lansdale	ML7483	
	Rochester	7483	
♦ 7485	Rochester	7485	
♦ 7486	Rochester	7486	
♦ 7488A	Lansdale	ML4002	
♦ 7490	Lansdale	ML7490	
♦ 7491	Lansdale	ML7491	
	Rochester	7491	
♦ 7492	Lansdale	ML7492	
	Rochester	7492	
♦ 7493	Lansdale	ML7493	
	Rochester	7493	
♦ 7494	Lansdale	ML7494	
	Rochester	7494	
♦ 7495	Lansdale	ML7495	
	Rochester	7495	
♦ 7496	Lansdale	ML7496	
	Rochester	7496	
7520	Unitrode	PIC7520	
7525	Unitrode	PIC7524	
7529	Unitrode	PIC7529	
♦ 7710312	Lansdale	ML1710	
♦ 8000	Lansdale	ML7400	
♦ 8001	Lansdale	ML701	
		ML7401	
		SL7401	
♦ 8002	Lansdale	ML7402	
		SL7402	
♦ 8003	Lansdale	ML7403	
♦ 8004	Lansdale	ML7404	
♦ 8010	Lansdale	ML7410	
♦ 8020	Lansdale	ML7420	
♦ 8030	Lansdale	ML7430	
♦ 8040	Lansdale	ML7440	
♦ 8050	Lansdale	ML7450	
♦ 8051	Lansdale	ML7451	
♦ 8053	Lansdale	ML7453	
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♦ 8054	Lansdale	ML7454	
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♦ 8060	Lansdale	ML7460	
		SL7460	
♦ 8086	Lansdale	ML7486	
♦ 8200	Lansdale	SL8269	
♦ 8283	Lansdale	ML7483	
♦ 8500	Lansdale	ML7476	
♦ 8501	Lansdale	ML7473	
♦ 8510	Lansdale	ML7474	
♦ 8530	Lansdale	ML7490	
♦ 8532	Lansdale	ML7492	
♦ 8533	Lansdale	ML7493	
♦ 8550	Lansdale	ML7475	
♦ 8580	Lansdale	ML7495	
87LS9	Hughes	H1831	
		H1832	
87R181	Signetics	82HS187	
87R183	Signetics	82HS187	
87S181	Signetics	82S181	
87S181A	Signetics	82S181A	
87S185	Signetics	82S185	
87S185A	Signetics	82S185A	
87S185B	Signetics	87S185B	
♦ 87S188	Lansdale	HL7602	
♦ 87S191	Lansdale	HL76161	
87S195A	Signetics	82HS195	
87S195B	Signetics	82HS195A	
87S281	Signetics	82S181N3	
87S281A	Signetics	82S181AN3	
♦ 87S288	Lansdale	HL7603	
87S321	Waferscale	WS57C43	
87X288B	Signetics	N82US123A	
♦ 8840	Lansdale	ML7441	
♦ 8842	Lansdale	ML7442	
♦ 8847	Lansdale	ML7447	
		SL7447	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 8848	Lansdale	ML7448	
		SL7448	
♦ 9H00	Lansdale	ML54H00	
		ML74H00	
		SL54H00	
		SL74H00	
♦ 9H01	Lansdale	ML54H01	
		ML74H01	
		SL54H01	
		SL74H01	
♦ 9H04	Lansdale	ML54H04	
		ML74H04	
♦ 9H05	Lansdale	ML54H05	
		ML74H05	
♦ 9H08	Lansdale	ML54H08	
		ML74H08	
		SL54H08	
		SL74H08	
♦ 9H10	Lansdale	ML54H10	
		ML74H10	
		SL54H10	
		SL74H10	
♦ 9H101	Lansdale	ML54H101	
		ML74H101	
		SL54H101	
		SL74H101	
♦ 9H102	Lansdale	ML54H102	
		ML74H102	
		SL54H102	
		SL74H102	
♦ 9H103	Lansdale	ML54H103	
		ML74H103	
		SL54H103	
		SL74H103	
♦ 9H106	Lansdale	ML54H106	
		SL74H106	
♦ 9H108	Lansdale	ML54H108	
		ML74H108	
		SL54H108	
		SL74H108	
♦ 9H11	Lansdale	ML54H11	
		ML74H11	
		SL54H11	
		SL74H11	
♦ 9H20	Lansdale	ML54H20	
		ML74H20	
		SL54H20	
		SL74H20	
♦ 9H21	Lansdale	ML74H21	
		SL74H21	
♦ 9H22	Lansdale	ML74H22	
		SL74H22	
♦ 9H30	Lansdale	ML54H30	
		ML74H30	
		SL54H30	
		SL74H30	
♦ 9H40	Lansdale	ML54H40	
		ML74H40	
		SL54H40	
		SL74H40	
♦ 9H50	Lansdale	ML54H50	
		ML74H50	
♦ 9H51	Lansdale	ML54H51	
		ML74H51	
♦ 9H52	Lansdale	ML54H52	
		ML74H52	
		SL54H52	
		SL74H52	
♦ 9H53	Lansdale	ML54H53	
		ML74H53	
		SL54H53	
		SL74H53	
♦ 9H54	Lansdale	ML54H54	
		ML74H54	
		SL54H54	
		SL74H54	
♦ 9H55	Lansdale	ML54H55	
		ML74H55	
		SL54H55	
		SL74H55	
♦ 9H60	Lansdale	ML54H60	
		ML74H60	
		SL54H60	
		SL75H60	
♦ 9H61	Lansdale	ML54H61	
		ML74H61	
		SL54H61	
		SL74H61	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 9H62	Lansdale	ML54H62	
		ML74H62	
		SL54H62	
		SL74H62	
♦ 9H71	Lansdale	ML54H71	
		ML74H71	
		SL54H71	
		SL74H71	
♦ 9H72	Lansdale	ML54H72	
		ML74H72	
		SL54H72	
		SL74H72	
♦ 9H73	Lansdale	ML54H73	
		ML74H73	
		SL54H73	
		SL74H73	
♦ 9H74	Lansdale	ML54H74	
		ML74H74	
		SL54H74	
		SL74H74	
♦ 9H76	Lansdale	ML54H76	
		SL74H76	
♦ 9L00	Rochester	9L00	
♦ 9L04	Rochester	9L04	
♦ 9L24	Rochester	9L24	
♦ 9L54	Rochester	9L54	
9L86	Rochester	9L86	
♦ 9N00	Lansdale	ML5400	
		ML7400	
♦ 9N01	Lansdale	ML5401	
		ML701	
		ML7401	
		SL5401	
		SL7401	
♦ 9N02	Lansdale	ML5402	
		ML7402	
		SL5402	
		SL7402	
♦ 9N03	Lansdale	ML5403	
		ML7403	
♦ 9N04	Lansdale	ML5404	
		ML7404	
♦ 9N05	Lansdale	ML5405	
		ML7405	
♦ 9N06	Lansdale	ML5406	
		ML7406	
♦ 9N07	Lansdale	ML5407	
		ML7407	
♦ 9N08	Lansdale	ML5408	
		ML7408	
♦ 9N09	Lansdale	ML5409	
		ML7409	
		SL5409	
		SL7409	
♦ 9N10	Lansdale	ML5410	
		ML7410	
♦ 9N107	Lansdale	ML54107	
		ML74107	
♦ 9N12	Lansdale	ML5412	
♦ 9N123	Lansdale	ML54123	
		ML74123	
♦ 9N13	Lansdale	ML5413	
		ML7413	
♦ 9N132	Lansdale	ML54132	
		ML74132	
♦ 9N14	Lansdale	ML5414	
		ML7414	
♦ 9N16	Lansdale	ML5416	
		ML7416	
♦ 9N17	Lansdale	ML5417	
		ML7417	
♦ 9N20	Lansdale	ML5420	
		ML7420	
♦ 9N21	Lansdale	ML54H21	
		SL54H21	
♦ 9N22	Lansdale	ML54H22	
		SL54H22	
♦ 9N23	Lansdale	ML5423	
		ML7423	
♦ 9N25	Lansdale	ML5425	
		ML7425	
♦ 9N26	Lansdale	ML5426	
		ML7426	
♦ 9N27	Lansdale	ML5427	
		ML7427	
♦ 9N30	Lansdale	ML5430	
		ML7430	
♦ 9N37	Lansdale	ML5437	
		ML7437	
♦ 9N38	Lansdale	ML5438	
		ML7438	
♦ 9N40	Lansdale	ML5440	
		ML7440	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 9N50	Lansdale	ML5450	
		ML7450	
♦ 9N51	Lansdale	ML5451	
		ML7451	
♦ 9N53	Lansdale	ML5453	
		ML7453	
		SL5453	
		SL7453	
♦ 9N54	Lansdale	ML5454	
		ML7454	
		SL5454	
		SL7454	
♦ 9N60	Lansdale	ML5460	
		ML7460	
		SL5460	
		SL7460	
♦ 9N70	Lansdale	ML5470	
		ML7470	
		SL5470	
		SL7470	
♦ 9N72	Lansdale	ML5472	
		ML7472	
		SL5472	
		SL7472	
♦ 9N73	Lansdale	ML5473	
		ML7473	
♦ 9N74	Lansdale	ML5474	
		ML7474	
♦ 9N76	Lansdale	ML5476	
		ML7476	
♦ 9N86	Lansdale	ML5486	
		ML7486	
♦ 9S41	Rochester	9S41	
♦ 9S42	Rochester	9S42	
♦ 900	Rochester	900	
♦ 9000	Rochester	9000	
♦ 9001	**Lansdale**	**ML3052**	**(3552)**
	Rochester	9001	
♦ 9002	Lansdale	ML7400	
	Rochester	9002	
♦ 9003	Lansdale	ML7410	
	Rochester	9003	
♦ 9004	Lansdale	ML7420	
	Rochester	9004	
♦ 9005	Lansdale	ML7450	
	Rochester	9005	
♦ 9006	Lansdale	ML7460	
		SL7460	
♦ 9006	Rochester	9006	
♦ 9007	**Lansdale**	**ML3115**	**(3552)**
	Rochester	9007	
♦ 9008	Rochester	9008	
♦ 9009	Lansdale	ML7440	
	Rochester	9009	
♦ 901	Rochester	901	
♦ 9012	Rochester	9012	
♦ 9014	Rochester	9014	
9015	Rochester	9015	
♦ 9016	Lansdale	ML7404	
	Rochester	9016	
9017	Rochester	9017	
♦ 902	Rochester	902	
♦ 9020	Rochester	9020	
9022	Rochester	9022	
♦ 9024	Rochester	7124	
		9024	
♦ 903	Rochester	903	
♦ 9030	Rochester	9030	
♦ 904	Rochester	904	
♦ 905	Rochester	905	
♦ 906	Rochester	906	
♦ 907	Rochester	907	
♦ 908	Rochester	908	
♦ 909	Rochester	909	
♦ 9093	Lansdale	ML853	
	Rochester	9093	
♦ 909351	Lansdale	ML953	
♦ 909359	Lansdale	ML853	
♦ 9094	Lansdale	ML856	
	Rochester	9094	
♦ 909451	Lansdale	ML956	
♦ 909459	Lansdale	ML856	
♦ 9097	Lansdale	ML855	
	Rochester	9097	
♦ 909751	Lansdale	ML955	
♦ 909759	Lansdale	ML855	
♦ 9099	Lansdale	ML852	
	Rochester	9099	
♦ 909951	Lansdale	ML952	
♦ 909959	Lansdale	ML852	
♦ 910	Rochester	910	
♦ 911	Rochester	911	
♦ 9110	Rochester	9110	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 9111	Rochester	9111	
♦ 912	Rochester	912	
♦ 913	Rochester	913	
♦ 9135	Lansdale	ML840	
	Rochester	9135	
♦ 913551	Lansdale	ML935	
♦ 913559	Lansdale	ML835	
♦ 914	Rochester	914	
♦ 915	Rochester	915	
♦ 9157	Lansdale	ML857	
	Rochester	9157	
♦ 915751	Lansdale	ML957	
♦ 915759	Lansdale	ML857	
♦ 9158	Lansdale	ML858	
	Rochester	9158	
♦ 915851	Lansdale	ML958	
♦ 915859	Lansdale	ML858	
♦ 921	Rochester	921	
♦ 923	Rochester	923	
♦ 927	Rochester	927	
♦ 93H00	Rochester	93H00	
♦ 93H72	Rochester	93H72	
♦ 93L00	Rochester	93L00	
♦ 93L01	Rochester	93L01	
♦ 93L09	Rochester	93L09	
♦ 93L10	Rochester	93L10	
♦ 93L11	Rochester	93L11	
♦ 93L12	Rochester	93L12	
♦ 93L16	Rochester	93L16	
♦ 93L18	Rochester	93L18	
♦ 93L21	Rochester	93L21	
♦ 93L22	Rochester	93L22	
♦ 93L41	Rochester	93L41	
93L422	AMD	AM93L422	
	Cypress	CY7C122	
		CY93L422	
		CY93422	
93L425	AMD	AM93L425	
♦ 93S00	Rochester	93S00	
♦ 93S12	Rochester	93S12	
♦ 93S16	Rochester	93S16	
	AMD	SN74S161	
♦ 93S42	Rochester	93S42	
♦ 93S43	Rochester	93S43	
	AMD	AM25S05	
♦ 93S46	Rochester	93S46	
♦ 93S62	Rochester	93S62	
♦ 93Z451	Lansdale	HL7681	
	AMD	AM27S181	
	Fujitsu	MB7132	
	Signetics	N82S181	
		82S181	
93Z510	Waferscale	WS57C291	
♦ 93Z511	Lansdale	HL76161	
	Fujitsu	MB71A38	
		MB7138	
♦ 93Z511	Signetics	N82S191A	
		82S191	
♦ 93Z511	Waferscale	WS57C191	
		WS57C291	
93Z512	Waferscale	WS57C291	
♦ 93Z565	Lansdale	HL76641	
	AMD	AM27S49	
	Fujitsu	MB71C44	
		MB7144	
♦ 93Z565	ICT	27CX641	
	Waferscale	WS57C49	
93Z565AC	ICT	27CX641C-45	
93Z565C	ICT	27CX641C-55	
93Z611	Signetics	82S191	
93Z65	Signetics	82HS641	
93Z665	Fujitsu	MB71C44	
		MB7144	
	NEC	μPD27HC65	
	Signetics	82HS641	
	Waferscale	WS57C49	
93Z667	Fujitsu	MB71C44	
		MB7144	
	ICT	27CX642	
	NEC	μPD27HC65	
	Signetics	82HS641	
	Waferscale	WS57C49	
93Z667C-40	ICT	27CX624C-40	
93Z667C-45	ICT	27CX642C-45	
93Z667C-55	ICT	27CX624C-55	
♦ 930	Lansdale	ML830	
	Rochester	930	
♦ 9300	Lansdale	ML9300	
♦ 9301	Lansdale	ML8252	
		ML9301	
♦ 9302	Rochester	9302	
♦ 9304	Lansdale	ML9304	
	Rochester	9304	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 9305	Rochester	9305	
♦ 9306	Lansdale	ML9306	
♦ 9307	Lansdale	ML5448	
		ML9307	
		SL5448	
♦ 9307	Rochester	9307	
♦ 9308	Lansdale	ML9308	
♦ 9309	Lansdale	ML9309	
♦ 931	Rochester	931	
♦ 9310	Lansdale	ML8310	
		ML9310	
♦ 9310	Rochester	9310	
♦ 9311	Lansdale	ML8311	
		ML9311	
♦ 9312	Lansdale	ML9312	
		SL8230	
♦ 9313	Rochester	9313	
♦ 9314	Lansdale	ML9314	
♦ 93141	Lansdale	ML54141	
♦ 93145	Lansdale	ML74145	
♦ 9315	Lansdale	ML5441	
		ML7441	
♦ 9315	Rochester	9315	
♦ 93150	Lansdale	ML74150	
♦ 93153	Lansdale	ML74153	
♦ 93155	Lansdale	ML74155	
♦ 93156	Lansdale	ML74156	
♦ 9316	Lansdale	ML8316	
		ML9316	
♦ 93160	Lansdale	ML74160	
♦ 93161	Lansdale	ML74161	
♦ 93162	Lansdale	ML74162	
♦ 93163	Lansdale	ML74163	
♦ 93164	Lansdale	ML74164	
♦ 93165	Lansdale	ML74165	
♦ 93166	Lansdale	ML74166	
♦ 9317	Rochester	9317	
♦ 93174	Lansdale	ML74174	
♦ 93175	Lansdale	ML74175	
♦ 93176	Lansdale	ML74176	
♦ 93177	Lansdale	ML74177	
♦ 9318	Lansdale	ML9318	
	Rochester	54148	
		7618	
		8618	
		9318	
♦ 93180	Lansdale	ML74180	
♦ 9319	Rochester	9319	
♦ 93190	Lansdale	ML74190	
♦ 93191	Lansdale	ML74191	
♦ 93194	Lansdale	ML74194	
♦ 93195	Lansdale	ML74195	
♦ 93196	Lansdale	ML74196	
♦ 93197	Lansdale	ML74197	
♦ 93198	Lansdale	ML54198	
		ML74198	
		SL54198	
		SL74198	
♦ 93199	Lansdale	ML74199	
♦ 932	Lansdale	ML832	
	Rochester	932	
♦ 9320	Rochester	9320	
♦ 9322	Lansdale	ML8322	
		ML9322	
932451	Gould AMI	S25089	
♦ 9325	Lansdale	ML54141	
		ML74141	
♦ 9328	Lansdale	SL8277	
♦ 933	Lansdale	ML833	
	Rochester	933	
♦ 9340	Rochester	9340	
♦ 93403	Lansdale	ML4064	
	Signetics	N3101	
		N82S25	
93405	Signetics	N74S189	
♦ 93407	Lansdale	ML4004	
		ML4304	
♦ 9341	Lansdale	ML54181	
		ML74181	
♦ 9341	Rochester	7181	
		8181	
		9341	
♦ 93417	Lansdale	HL7610	
♦ 93419	Rochester	93419	
	Signetics	N82S19	
♦ 9342	Lansdale	ML54182	
		ML74182	
		SL54182	
		SL74182	
♦ 9342	Rochester	9342	
93421	Signetics	N82S16	
♦ 93427	Lansdale	HL7611	
♦ 93434	Lansdale	ML4002	
♦ 93436	Lansdale	HL7620	
♦ 93438	Lansdale	HL7640	
♦ 9344	Rochester	9344	
♦ 93448	Lansdale	HL7641	
♦ 9345	Lansdale	ML5445	
		ML7445	
♦ 93451	Lansdale	HL7681	
♦ 93452	Lansdale	HL7642	
♦ 93453	Lansdale	HL7643	
9346	**Catalyst Semi**	**CAT93C46**	**(3424)**
♦ 93466	Lansdale	HL7621	
93479	Signetics	N82S212	
♦ 9348	Rochester	9348	
♦ 9349	Lansdale	ML54180	
		ML74180	
♦ 935	Lansdale	ML840	
	Rochester	935	
♦ 93515	Lansdale	HL76165	
♦ 9352	Lansdale	ML5442	
		ML7442	
♦ 9353	Lansdale	ML5443	
		ML7443	
♦ 9354	Lansdale	ML5444	
		ML7444	
♦ 9357	Lansdale	ML7446	
		ML7447	
		SL7447	
♦ 9358	Lansdale	ML7448	
		SL7448	
♦ 936	Lansdale	ML836	
	Rochester	936	
♦ 9360	Lansdale	ML54192	
		ML74192	
♦ 9366	Lansdale	ML54192	
		ML74192	
		ML74193	
♦ 937	Lansdale	ML837	
	Rochester	937	
♦ 9375	Lansdale	ML5475	
		ML7475	
♦ 9380	Lansdale	ML5480	
		ML7480	
		SL5480	
		SL7480	
♦ 9383	Lansdale	ML5483	
♦ 9385	Lansdale	ML7485	
♦ 9386	Rochester	9386	
♦ 9390	Lansdale	ML5490	
		ML7490	
♦ 9391	Lansdale	ML5491	
		ML7491	
♦ 9392	Lansdale	ML5492	
		ML7492	
♦ 9393	Lansdale	ML5493	
		ML7493	
♦ 9394	Lansdale	ML5494	
		ML7494	
♦ 9395	Lansdale	ML5495	
		ML7495	
♦ 9396	Lansdale	ML5496	
		ML7496	
♦ 941	Rochester	941	
♦ 944	Lansdale	ML844	
	Rochester	944	
♦ 945	Lansdale	ML845	
	Rochester	945	
♦ 946	Lansdale	ML846	
	Rochester	946	
♦ 948	Lansdale	ML848	
	Rochester	948	
♦ 949	Lansdale	ML849	
	Rochester	949	
♦ 95H00	Rochester	95H00	
95H90	GEC Plessey	SP8647	
♦ 950	Rochester	950	
♦ 95016	Rochester	95016	
♦ 95029	Rochester	95029	
♦ 951	Rochester	951	
♦ 95105	Rochester	95105	
♦ 95231	Rochester	95231	
♦ 9528	Rochester	9528	
♦ 953	Rochester	953	
♦ 95400	Rochester	95400	
♦ 958	Rochester	958	
♦ 9580	Rochester	9580	
♦ 9582	Rochester	9582	
♦ 959	Rochester	959	
♦ 96LS488	Rochester	96LS488	
	SMC	COM7210	
96L02	AMD	AM26S02	
♦ 960	Rochester	960	
♦ 9600	Rochester	9600	
♦ 9601	Lansdale	ML9601	
♦ 9602	Lansdale	ML9602	
	Rochester	9602	
♦ 9603	Lansdale	ML54121	
		ML74121	
♦ 961	Lansdale	ML861	
	Rochester	961	
♦ 96103	Rochester	96103	
♦ 96106	Rochester	96106	
♦ 962	Lansdale	ML862	
	Rochester	962	
♦ 9620	Rochester	9620	
♦ 9621	Rochester	9621	
♦ 963	Lansdale	ML863	
	Rochester	963	
♦ 964	Rochester	964	
9640	AMD	AM26S10	
9641	AMD	AM26S11	
♦ 966	Rochester	966	
9665	Allegro Micro	ULN2001	
		ULS2001	
9666	Allegro Micro	ULN2002	
		ULS2002	
9667	Allegro Micro	ULN2003	
		ULS2003	
9668	Allegro Micro	ULN2004	
		ULS2004	
♦ 967	Rochester	967	
♦ 968	Rochester	968	
971	Rochester	971	
♦ 974	Rochester	974	
♦ 9801	Rochester	9801	
♦ 9806	Rochester	9806	
♦ 9816	Rochester	9816	
♦ 9820	Rochester	9820	
♦ 9821	Rochester	9821	
♦ 9822	Rochester	9822	
♦ 9823	Rochester	9823	
♦ 9824	Rochester	9824	
♦ 9828	Rochester	9828	
♦ 9834	Rochester	9834	
♦ 9838	Rochester	9838	
♦ 9852	Rochester	9852	
♦ 9853	Rochester	9853	
♦ 9854	Rochester	9854	
♦ 9855	Rochester	9855	
♦ 9856	Rochester	9856	
♦ 9863	Rochester	9863	
♦ 9864	Rochester	9864	
♦ 9865	Rochester	9865	
♦ 9866	Rochester	9866	
♦ 9871	Rochester	9871	
♦ 9872	Rochester	9872	
♦ 9874	Rochester	9874	
♦ 9875	Rochester	9875	
♦ 9877	Rochester	9877	
♦ 9881	Rochester	9881	
♦ 9883	Lansdale	ML7483	
	Rochester	9883	
♦ 989	Rochester	989	
♦ 993051	Lansdale	ML930	
♦ 993059	Lansdale	ML830	
♦ 993151	Lansdale	ML931	
♦ 993159	Lansdale	ML831	
♦ 993251	Lansdale	ML932	
♦ 993259	Lansdale	ML832	
♦ 993351	Lansdale	ML933	
♦ 993359	Lansdale	ML833	
♦ 993551	Lansdale	ML940	
♦ 993559	Lansdale	ML840	
♦ 993651	Lansdale	ML936	
♦ 993659	Lansdale	ML836	
♦ 993751	Lansdale	ML937	
♦ 993759	Lansdale	ML837	
♦ 994151	Lansdale	ML941	
♦ 994159	Lansdale	ML841	
♦ 994451	Lansdale	ML944	
♦ 994459	Lansdale	ML844	
♦ 994551	Lansdale	ML945	
♦ 994559	Lansdale	ML845	
♦ 994651	Lansdale	ML946	
♦ 994659	Lansdale	ML846	
♦ 994851	Lansdale	ML948	
♦ 994859	Lansdale	ML848	
♦ 994951	Lansdale	ML949	
♦ 994959	Lansdale	ML849	
♦ 995051	Lansdale	ML950	
♦ 995059	Lansdale	ML850	
♦ 995151	Lansdale	ML951	
♦ 995159	Lansdale	ML851	
♦ 9956	Rochester	9956	
♦ 9958	Rochester	9958	
♦ 9959	Rochester	9959	
♦ 9960	Rochester	9960	
♦ 996151	Lansdale	ML961	
♦ 996159	Lansdale	ML861	
♦ 996251	Lansdale	ML962	
♦ 996259	Lansdale	ML862	
♦ 996351	Lansdale	ML963	
♦ 996359	Lansdale	ML863	
♦ 9989	Rochester	9989	

NCR Microelectronics

Manufacturer Device	Replacement Source	Device	IC Master Page
NCR52210	Catalyst Semi	CAT22C10	
NCR52212	Catalyst Semi	CAT22C12	
NCR53C80	LogicDev	L53C80	
	Newbridge	**CA53C80**	**(3593)**
NCR5380	LogicDev	L5380	
NCR59308	**Catalyst Semi**	**CAT93C46**	**(3424)**
	ICT	93C46	
		93C46AP	
		93C46P	
NCR8085	Micro-C	8085	
5380	Samsung	KS53C80	

NEC Electronics

Manufacturer Device	Replacement Source	Device	IC Master Page
μPc741	AnalogSys	MA332	
μPA2001	Allegro Micro	ULN2001	
μPA2002	Allegro Micro	ULN2002	
μPA2003	Allegro Micro	ULN2003	
μPA2004	Allegro Micro	ULN2004	
♦ μPA8080	Lansdale	IL8080	
♦ μPB2905	Lansdale	AL2905	
♦ μPB2906	Lansdale	AL2906	
♦ μPB423	Lansdale	HL7611	
μPB429	Waferscale	WS57C191	
		WS57C291	
μPB581	GEC Plessey	SP8812	
μPB582	GEC Plessey	SP8814	
μPB584	GEC Plessey	SP8812	
μPB585	GEC Plessey	SP8814	
μPB587	GEC Plessey	SP8824	
		SP8828	
♦ μPB8212	**Lansdale**	**IL8212**	**(3549)**
♦ μPB8214	**Lansdale**	**IL8214**	**(3549)**
♦ μPB8216	**Lansdale**	**IL8216**	**(3549)**
	Motorola	MC8T26	
♦ μPB8224	**Lansdale**	**IL8224**	**(3549)**
♦ μPB8226	**Lansdale**	**IL8226**	**(3549)**
	Micro-C	8226	
	Motorola	MC8T28	
♦ μPB8228	**Lansdale**	**IL8228**	**(3549)**
	Micro-C	8228	
μPB8282	Siemens	SAB8282	
μPB8283	Siemens	SAB8283	
μPB8284	Micro-C	8284	
	Siemens	SAB8284	
μPB8286	Micro-C	8286	
	Siemens	SAB8286	
μPB8287	Micro-C	8287	
	Siemens	SAB8287	
μPB8288	Micro-C	8288	
μPB8289	Siemens	SAB8289	
♦ μPB8403	Lansdale	HL7610	
♦ μPB8405	Lansdale	HL7640	
♦ μPB8425	Lansdale	HL7641	
♦ μPB8426	Lansdale	HL7643	
♦ μPB8428	Lansdale	HL7681	
♦ μPB8429	Lansdale	HL76161	
μPC1028	Samsung	KA2245	
μPC1031	Samsung	KA2130	
μPC1158	Samsung	KA2220	
μPC1166	Samsung	KA2213	
μPC1197	Samsung	KA2261	
μPC1215	Samsung	KA22461	
μPC1251	**NJR**	**NJM2904**	**(3594)**
μPC1263	Samsung	KA2214	
μPC1353	Samsung	KA2102	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

NEC Electronics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
μPC1356	Samsung	KA2911	
μPC1366	Samsung	KA2912	
μPC137	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
μPC1373	Motorola	MC3373	
	Samsung	KA2181	
μPC1374	Samsung	KA2182	
		KA2183	
μPC1378	Samsung	KA2131	
μPC1379	Samsung	KA2133	
μPC1382	Samsung	KA2101	
μPC1401	Samsung	KA2153	
μPC1411	Samsung	KA2914	
μPC1414	Samsung	KA2913	
μPC1458	**AD**	**OP14**	**(3343)**
	AnalogSys	MA336	
		MA372	
	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
	NJR	NJM1458	
	Panasonic	AN1458	
		AN6572	
	SGS-Thomson		
		MC1458	
μPC1470	Samsung	KA2401	
		KA2404	
μPC1474	GEC Plessey	SL486	
μPC1507	Samsung	KA2981	
μPC151	AnalogSys	MA332	
		MA333	
		MA362	
	NJR	NJM741	
	Panasonic	AN1741	
		AN6570	
	Unitrode	PIC7504	
μPC1524	Samsung	KA2945	
μPC1534	Samsung	KA2944	
μPC1536	Samsung	KA2988	
μPC1555	SGS-Thomson		
		NE555	
μPC1558	SGS-Thomson		
		MC1558	
μPC156	SGS-Thomson		
		LM208	
μPC157	AnalogSys	MA332	
		MA333	
		MA362	
	SGS-Thomson		
		LM201	
μPC1571	Signetics	NE571	
μPC159	AnalogSys	MA332	
		MA362	
	NJR	**NJM318**	**(3594)**
	SGS-Thomson		
		LM318	
	TI	LM318	
μPC1701	Samsung	KA2804	
μPC177	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
	NJR	NJM2901	
	Panasonic	AN6912	
	Samsung	LM2901	
μPC1913	Samsung	KS5803	
μPC2313	Samsung	KA8102	
μPC2315	Samsung	KA8104	
μPC2317	Samsung	KA8103	
μPC251	AnalogSys	MA336	
		MA372	
	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
	Motorola	MC1458	
	NJR	NJM1458	
	Panasonic	AN1458	
		AN6572	
	SGS-Thomson		
		MC1458	
μPC258	AnalogSys	MA336	
		MA372	
	NJR	**NJM4558**	**(3594)**
	Panasonic	AN4558	
		AN6552	
	Signetics	LM258 ♦	
		SA532	
μPC259	AnalogSys	MA336	
		MA372	
	NJR	NJM4560	
		NJM4565	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
μPC271	NJR	NJM311	
	Panasonic	AN1311	
	SGS-Thomson		
		LM211	
μPC272	NJR	NJM319	
	Panasonic	AN1319	
	SGS-Thomson		
		LM219	
μPC277	Fujitsu	MB47393	
		MB47393P	
		MB47393PF	
	NJR	NJM2903	
	Panasonic	AN1393	
		AN6914	
	Samsung	LM2903	
μPC301	AD	OP77	
	AnalogSys	MA332	
		MA333	
		MA362	
	Samsung	LM741	
	SGS-Thomson		
		LM301	
μPC311	AD	PM211	
	NJR	NJM311	
	Panasonic	AN1311	
	Samsung	LM311	
	SGS-Thomson		
		LM311	
μPC318	AD	OP42	
	NJR	**NJM318**	**(3594)**
μPC319	AD	PM219	
	NJR	NJM319	
	Panasonic	AN1319	
	SGS-Thomson		
		LM319	
	Signetics	LM319	
μPC324	AD	OP421	
	AnalogSys	MA374	
	NJR	NJM324	
	Panasonic	AN1324	
		AN6564	
	SGS-Thomson		
		LM324	
μPC339	AD	PM139	
	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
	NJR	NJM2901	
	Panasonic	AN6912	
	SGS-Thomson		
		LM339	
μPC3403	AD	OP421	
	NJR	NJM3403	
	Samsung	MC3403	
	SGS-Thomson		
		MC3403	
μPC354	AnalogSys	MA332	
		MA333	
		MA362	
	NJR	NJMOP07	
	TI	OP07	
μPC356	AD	PM139	
		PM356	
	SGS-Thomson		
		LF356	
μPC357	AD	OP17	
	Harris	CA3130	
	SGS-Thomson		
		LF357	
μPC358	AD	OP221	
	NJR	**NJM2904**	**(3594)**
	Panasonic	AN1358	
		AN6562	
	SGS-Thomson		
		LM358	
μPC374	AnalogSys	MA374	
μPC393	NJR	NJM2903	
	Panasonic	AN1393	
		AN6914	
	SGS-Thomson		
		LM393	
μPC4062	**NJR**	**NJM062**	**(3594)**
μPC4064	**NJR**	**NJM064**	**(3594)**
μPC4071	AD	OP15	
μPC4072	NJR	NJM072	
μPC4074	**NJR**	**NJM074**	**(3594)**
μPC4081	AD	OP15	
	AnalogSys	MA332	
		MA333	
		MA362	
	Panasonic	AN1081	
μPC4082	AD	OP215	
	AnalogSys	MA336	
		MA372	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
μPC4082			(Cont'd)
	NJR	NJM082	
	Panasonic	AN1082	
μPC4084	AnalogSys	MA374	
	NJR	NJM084	
	Panasonic	AN1084	
μPC4250	AD	OP22	
	NJR	**NJM4250**	**(3594)**
	Panasonic	AN4250	
μPC451	AnalogSys	MA374	
	NJR	NJM2902	
		NJM324	
	Panasonic	AN1324	
		AN6564	
	Samsung	LM2902	
	SGS-Thomson		
		LM224	
μPC452	NJR	NJM3403	
	Samsung	MC3303	
	SGS-Thomson		
		MC3303	
μPC4556	AnalogSys	MA336	
		MA372	
	NJR	NJM4562	
μPC4557	AnalogSys	MA336	
		MA372	
μPC4558	AnalogSys	MA336	
		MA372	
	NJR	**NJM4558**	**(3594)**
	Panasonic	AN4558	
		AN6552	
	SGS-Thomson		
		MC4558	
μPC4559	AnalogSys	MA336	
		MA372	
	NJR	NJM4559	
	Panasonic	AN6553	
		AN6556	
μPC4560	AnalogSys	MA336	
		MA372	
	NJR	NJM4560	
		NJM4565	
μPC4570	**NJR**	**NJM2068**	**(3594)**
	Panasonic	AN1883	
μPC458	AnalogSys	MA374	
	NJR	**NJM2058**	**(3594)**
	Panasonic	AN6554	
		NJM4741	
μPC4741	AnalogSys	MA374	
	NJR	**NJM2058**	**(3594)**
	Panasonic	AN6554	
		NJM4741	
	SGS-Thomson		
		LM348	
μPC6012	AD	DAC312	
μPC624	AD	DAC08	
μPC741	AnalogSys	MA333	
		MA362	
	NJR	NJM741	
	Panasonic	AN1741	
		AN6570	
μPC78L05	Panasonic	AN78L05	
μPC78L08	Panasonic	AN78L08	
μPC78L10	Panasonic	AN78L10	
μPC78L12	Panasonic	AN78L12	
μPC78L15	Panasonic	AN78L15	
μPC78M05	Samsung	MC78M05	
μPC78M08	Samsung	MC78M08	
μPC78M10	Samsung	MC78M10	
μPC78M12	Samsung	MC78M12	
μPC78M15	Samsung	MC78M15	
μPC78M18	Samsung	MC78M18	
μPC78M24	Samsung	MC78M24	
μPC78N05	Panasonic	AN78N05	
μPC78N08	Panasonic	AN78N08	
μPC78N10	Panasonic	AN78N10	
μPC78N12	Panasonic	AN78N12	
μPC78N15	Panasonic	AN78B15	
μPC78N18	Panasonic	AN78N18	
μPC78N24	Panasonic	AN78N24	
μPC7805	Samsung	MC7805	
μPC7808	Samsung	MC7808	
μPC7812	Samsung	MC7812	
μPC7815	Samsung	MC7815	
μPC7818	Samsung	MC7818	
μPC7824	Samsung	MC7824	
μPC7905	Samsung	MC7905	
μPC7912	Samsung	MC7912	
μPC7915	Samsung	MC7915	
μPC7918	Samsung	MC7918	
μPC7924	Samsung	MC7924	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
μPC801	AnalogSys	MA332	
		MA333	
		MA362	
	Panasonic	AN1081	
	TI	LF351	
		TL071	
		TL081	
μPC802	**NJR**	**NJM4250**	**(3594)**
	Panasonic	AN4250	
μPC803	AnalogSys	MA336	
		MA372	
	NJR	NJM082	
	Panasonic	AN1082	
μPC804	NJR	NJM084	
	Panasonic	AN1084	
μPC811	AD	OP15	
μPC812	AD	OP215	
μPC813	AD	OP16	
μPC822	NJR	NJM072	
		NJM074	**(3594)**
μPC8259	Siemens	SAB8259	
μPC832	**NJR**	**NJM062**	**(3594)**
μPC834	**NJR**	**NJM064**	**(3594)**
μPDC1024	Catalyst Semi	CAT27C210	
μPD10A484	Cypress	CY10E484	
	Synergy	SY10484	
μPD100A484	Cypress	CY100E484	
	Synergy	SY100484	
μPD100422	Cypress	CY100E422	
	Synergy	SY100L422	
μPD100470	Cypress	CY100E470	
μPD100474	Cypress	CY100E474	
	Synergy	SY100474	
μPD100480	Synergy	SY100480	
μPD10422	Cypress	CY10E422	
	Synergy	SY10L422	
μPD10470	Cypress	CY10E470	
μPD10474	Cypress	CY10E474	
	Synergy	SY10474	
μPD10480	Synergy	SY10480	
μPD10484	Cypress	CY10E484	
μPD1719	Samsung	KS55C232	
μPD1943	Samsung	KS5803	
μPD2114	AMD	AM9114	
μPD2147	AMD	AM2147	
	Cypress	CY2147	
		CY7C147	
	Krueger	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
μPD2149	AMD	AM2149	
	Cypress	CY2149	
	Krueger	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**
μPD2167	AMD	AM2167	
	Cypress	CY7C167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
μPD23C1000	GoldStar	GM231000	
	Hitachi	TC531000	
	OKI	MSM531000	
	Samsung	KM23C1000	
	UMC	UM23C1024	
		UM23C1025	
μPD23C1001	OKI	MSM531001	
	Samsung	KM23C1010	
	Toshiba	TC531001	
	UMC	UM23C1025	
μPD23C1010	Samsung	KM23C1001	
	UMC	UM23C1024	
μPD23C1011	Panasonic	MN231002	
μPD23C1024	Toshiba	TC531024	
μPD23C128	UMC	UM23C128	
μPD23C1600	Toshiba	TC5316200	
μPD23C16000			
	Panasonic	MN2316000	
	Samsung	KM23C16000	
μPD23C2000	Samsung	KM23C2100	
	UMC	UM23C2000	
μPD23C2001	Samsung	KM23C2000	
	UMC	UM23C2001	
μPD23C256	OKI	MSM53256	
	UMC	UM23C256	
μPD23C4000	OKI	MSM534002	
	Panasonic	MN234000	
	Samsung	KM23C4100	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

NEC Electronics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
μPD23C4000			(Cont'd)
	Toshiba	TC534000	
	UMC	UM23C4000	
μPD23C4001	OKI	MSM534001	
	Samsung	KM23C4000	
	UMC	UM23C4001	
μPD23C64	UMC	UM23C64	
μPD23C8000	Samsung	KM23C8100	
	Toshiba	TC538200	
μPD231000	Panasonic	MN231001	
μPD23128	Panasonic	MN23128	
μPD23256	OKI	MSM38256	
	Panasonic	MN23257	
μPD2364	OKI	MSM3864	
	Panasonic	MN2364	
μPD27C1000	AMD	AM27C100	
	Toshiba	TC571001	
μPD27C1001	AMD	AM27C010	
	OKI	MSM271000	
	Toshiba	TC571000	
μPD27C1024	Krueger	27C210	
	OKI	MSM27C1024	
		MSM271024	
	Toshiba	TC57102	
	Waferscale	WS27C210	
μPD27C1024-15			
	Signetics	27C210-15	
μPD27C1024-20			
	Signetics	27C210-20	
μPD27C1024D-20			
	Signetics	27C210-FA	
μPD27C1024K-20			
	Signetics	27C210-A	
μPD27C2001	AMD	AM27C020	
μPD27C256	AMD	AM27C256	
	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	OKI	MSM27C256	
	SEEQ	27C256	
	Waferscale	WS57C256	
μPD27C256-15			
	Signetics	27C256-15	
μPD27C256-20			
	Signetics	27C256-20	
μPD27C256A	Toshiba	TC57256	
μPD27C4001	Toshiba	TC574000	
μPD27C512	AMD	AM27C512	
	Krueger	27C512-150	
		27C512-200	
		27C512-250	
	Toshiba	TC27512	
	Waferscale	WS27C512	
μPD27C512-15			
	Signetics	27C512-15	
μPD27C512-20			
	Signetics	27C512-20	
μPD27C64	Krueger	27C64-200	
		27C64-250	
		27C64-300	
μPD27128	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
	OKI	MSM27128	
	SEEQ	27128	
μPD27256	OKI	MSM27256	
μPD2764	Catalyst		
	Semi	CAT27128	
		CAT2764	
	Krueger	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
	OKI	MSM2764	
	SEEQ	2764	
μPD28C64	EXEL	XL28C64	
	Fujitsu	MBM28C64	
	OKI	MSM28C64	
♦ μPD2915	Lansdale	AL2915	
μPD4016	AMD	AM9122	
	Krueger	**2128-100**	**(3548)**
		2128-120	**(3548)**
μPD411000	Panasonic	MN411000	
μPD41256	GoldStar	GM71256	
	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	MicronTech	MT1259	
	OKI	MSM41256	
	Panasonic	MN41256	

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Manufacturer Device	Replacement Source	Device	IC Master Page
μPD41256			(Cont'd)
	Samsung	KM41C256	
	Siemens	HYB41256	
	Vitelic	V53C256	
μPD41257	OKI	MSM41257	
	Panasonic	MN41257	
	Siemens	HYB41257	
μPD41264	GoldStar	GM53C261	
		GM53C461	
	Krueger	4461-100	
		4461-120	
		4461-150	
	Panasonic	MN47464	
	Vitelic	V53C261	
μPD41416	Krueger	41416-100	
		41416-120	
		41416-150	
μPD41464	GoldStar	GM71C464	
	Krueger	41464-100	
		41464-120	
		41464-150	
	MicronTech	MT4067	
	OKI	MSM41464	
	Panasonic	MN41464	
	Samsung	KM41C464	
	Vitelic	V53C464	
μPD416	Krueger	4116-120	
		4116-150	
		4116-200	
μPD4164	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	OKI	MSM3764	
	Siemens	HYB4164	
μPD421000	GoldStar	GM71C1000	
	Krueger	511000-100	
		511000-70	
		511000-80	
	MicronTech	MT4C1024	
	Motorola	MCM511000	
	OKI	MSM511000	
	Panasonic	MN41C1000	
	Samsung	KM41C1000	
	Siemens	HYB511000	
	Toshiba	TC511000	
	Vitelic	V53C100	
μPD421000C	Toshiba	TC511000B	
μPD421001	MicronTech	MT4C1025	
	Motorola	MCM511001	
	OKI	MSM511001	
	Samsung	KM41C1001	
	Toshiba	TC511001	
μPD421001C	Toshiba	TC511001B	
μPD421002	MicronTech	MT4C1026	
	Motorola	MCM511002	
	OKI	MSM511002	
	Panasonic	MN41C1002	
	Samsung	KM41C1002	
μPD421002C	Toshiba	TC511002	
μPD4216100	MicronTech	MT4C10016	
μPD4216400	MicronTech	MT4C40004	
μPD42264	Samsung	KM424C64	
μPD42273	Samsung	KM424C256	
μPD42274	Samsung	KM424C257	
μPD42275	MicronTech	MT42C8128	
μPD42400	Samsung	KM44C1000	
μPD424100	MicronTech	MT4C1004	
	Motorola	MCM514100	
	NEC	μPD424100	
	Samsung	KM41C4000	
	Toshiba	TC514100	
μPD424101	MicronTech	MT4C1005	
	Samsung	KM41C4001	
	Toshiba	TC514101	
μPD424102	MicronTech	MT4C1006	
	Samsung	KM41C4002	
	Toshiba	TC514102	
μPD424256	GoldStar	GM71C4256	
		GM71C7256	
	Krueger	514256-100	
		514256-70	
		514256-80	
	MicronTech	MT4C4256	
	Motorola	MCM514256	
	OKI	MSM514256	
	Panasonic	MN41C4256	
	Samsung	KM44C256	
	Toshiba	TC514256	
μPD424256C	Toshiba	TC514256B	
μPD424258	MicronTech	MT4C4258	
	Motorola	MCM514258	
	OKI	MSM514258	
	Panasonic	MN41C4258	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
μPD424258			(Cont'd)
	Samsung	KM44C258	
	Vitelic	V53C104	
μPD424258C	Toshiba	TC514258B	
μPD424266C	Toshiba	TC514266B	
μPD424400	Motorola	MCM514400	
	Toshiba	TC514400	
μPD424401	MicronTech	MT4C1001	
μPD424402	MicronTech	MT4C4003	
	Samsung	KM44C1002	
	Toshiba	TC514402	
μPD424410	Toshiba	TC514410	
μPD42456	Vitelic	V53C104	
μPD42458	Toshiba	TC514258	
μPD428128	Krueger	658128-100	
	MicronTech	MT45C8128	
	Samsung	KM658128	
	Toshiba	TC518129	
μPD428129	MicronTech	MT45C8129	
μPD42832	Krueger	65256-100	
		65256-120	
	Toshiba	TC51832	
μPD429	Cypress	CY7C292	
μPD431000	Cypress	CY7C108	
	Samsung	KM681000	
μPD431001	Inova	S1M1	
μPD431004	Inova	S256K4	
μPD4311	Cypress	CY7C167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	LogicDev	L7C167	
μPD4314	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
	MicronTech	MT5C1604	
μPD43254	Cypress	CY7C194	
	LogicDev	L7C194	
	MicronTech	MT5C2564	
	Toshiba	TC55464	
μPD43256	Cypress	CY7C198	
	GoldStar	GM76C256	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	LogicDev	L7C199	
	Mosel	MS62256	
	OKI	MSM51257	
	Panasonic	MN44256	
	Samsung	KM62256	
	Toshiba	TC55257	
	UMC	UM62256	
μPD43258	Krueger	62256-025	
		62256-030	
		62256-035	
μPD4361	Cypress	CY7C187	
	Krueger	6287-35	
		6287-45	
		6287-55	
	LogicDev	L7C187	
	MicronTech	MT5C1608	
		MT5C6401	
	Toshiba	TC5561	
		TC5562	
μPD4362	Cypress	CY7C164	
	Krueger	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	LogicDev	L7C164	
	MicronTech	MT5C6404	
	OKI	MSM5188	
	Toshiba	TC55416	
μPD4363	Cypress	CY7C166	
	LogicDev	L7C166	
	MicronTech	MT5C6405	
	Toshiba	TC55417	
μPD4364	GoldStar	GM76C88	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	LogicDev	L7C185	
	Mosel	MS6264	
	OKI	MSM5165	
	Panasonic	MN4464	
	Samsung	KM6264	
	Toshiba	TC5563	
		TC5565	
	UMC	UM6264	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
μPD4364-L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
μPD443	Harris	HM6508	
μPD444	Harris	HM6514	
μPD4444	AMD	AM91L14	
μPD446	AMD	AM9122	
	GoldStar	GM76C28	
	Harris	HM65162	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	LogicDev	L6116	
	Mosel	MS6516	
	Panasonic	MN4416	
	UMC	UM6116	
μPD4464	Harris	HM65642	
		HM8808	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	LogicDev	L7C185	
	Mosel	MS6264	
μPD449	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
μPD4741	Harris	HA4741	
μPD524256	MicronTech	MT42C4256	
μPD524273	MicronTech	MT42C4255	
μPD5555	Harris	ICM7555	
μPD5556	Harris	ICM7556	
μPD6163	Samsung	KA8214	
		KA8313	
μPD6514	AMD	AM91L14	
μPD6950	Motorola	MC10319	
μPD6951	GEC Plessey	SP9756	
μPD7003	GEC Plessey	ZN439	
μPD7004	GEC Plessey	ZN437	
μPD70108	Harris	80C88	
μPD70116	Harris	80C86	
μPD71054	Harris	82C54	
μPD71055	Harris	82C55	
μPD71059	Harris	82C59	
μPD71082	Harris	82C82	
μPD71083	Harris	82C83	
μPD71084	Harris	82C84	
μPD71086	Harris	82C86	
μPD71087	Harris	82C87	
μPD71088	Harris	82C88	
μPD7201	Siemens	SAB7201	
μPD72065	SMC	FDC72C65	
		FDC72C66	
μPD7210	SMC	COM7210	
μPD7220	SMC	CRT7220	
μPD7260	SMC	HDC7260	
μPD7261	SMC	HDC7261	
μPD7262	SMC	MSD7262	
μPD7265	SMC	FDC7265	
μPD75108	Motorola	MC75108	
μPD75208	Motorola	MC75108	
μPD765	Krueger	765	
	SMC	FDC765	
	UMC	UM8272	
μPD7720	**Gould AMI**	**S7720**	**(3498)**
μPD78K	Hitachi	HD6301	
		HD647180	
μPD8039	Krueger	8039	
μPD8080A	**Krueger**	**8080A**	**(3548)**
μPD8085	Siemens	SAB8085	
μPD8085A	**Krueger**	**8085A**	**(3548)**
	Newbridge	**CA80C85B**	**(3593)**
μPD8086	**Krueger**	**8086**	**(3548)**
	Siemens	SAB8086	
μPD8088	Krueger	8088	
	Siemens	SAB8088	
μPD81HC55	Siemens	SAB8155	
μPD8155	Siemens	SAB8155	
μPD8212	AMD	D8212	
		P8212	
μPD8237	AMD	P8237	
	Krueger	8237	
μPD8237A	**Newbridge**	**CA82C37A**	**(3593)**
μPD8251	AMD	P8251	
	Krueger	8251	
	SMC	COM8251	
μPD8253	AMD	AM9517	
		P8253	
	Krueger	8253	
μPD8255	AMD	P8255	
	Krueger	8255	
μPD8255A	**Newbridge**	**CA82C55A**	**(3593)**
μPD8256	Siemens	SAB8256	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
NEC Electronics			**(Cont'd)**
µPD8257	Krueger	8257	
µPD8259A	Krueger	8259	
	Newbridge	**CA82C59A**	**(3593)**
µPD8288	Siemens	SAB8288	
♦ µPD8406	Lansdale	HL7642	
D27C1001	Krueger	27C010	
	Micro-C	27C1032	
D27C1024	Micro-C	27C1040	
D27C512	Micro-C	27C512	
D2716	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
D2732	Micro-C	2732	
D4016	Micro-C	S2KX8	
D41254	Micro-C	41254	
D41256	Micro-C	41256	
D41257	Micro-C	41257	
D41264	Micro-C	V64KX4	
D41416	Micro-C	41416	
D41464	Micro-C	41464	
D4164	Micro-C	4164	
D421000	Micro-C	511000	
D42274	Micro-C	S256KX4	
D424256	Micro-C	414256	
D43256	Micro-C	S32KX8	
D4361	Micro-C	S64KX1	
D4362	Micro-C	S16KX4PSC	
D4364	Micro-C	S8KX8	
D70108	Micro-C	V20	
		70108	
D70116	Micro-C	70116	
D70208	Micro-C	70208	
D71054	Micro-C	71054	
D71055	Micro-C	71055	
D7201	Micro-C	7201	
D72065	Micro-C	72065	
D765	Micro-C	765	
D780	**Krueger**	**Z80CPU**	**(3548)**
	Micro-C	780	
D7810	Micro-C	7810	
D80C40	Micro-C	80C40	
D80C48	Micro-C	80C48	
D80C49	Micro-C	80C49	
D80C50	Micro-C	80C50	
D8039	Micro-C	8039	
D8041	Micro-C	8041	
D8048	Micro-C	8048	
D8049	Micro-C	8049	
D8080	Micro-C	8080	
D8085	Micro-C	8085	
D8086	Micro-C	8086	
D8088	Micro-C	8088	
D8155	Micro-C	8155	
D8156	Micro-C	8156	
D82C43	Micro-C	82C43	
D8237	Micro-C	8237	
D8243	Micro-C	8243	
D8251	Micro-C	8251	
D8253	Micro-C	8253	
D8255	Micro-C	8255	
D8257	Micro-C	8257	
D8259	Micro-C	8259	
D8279	Micro-C	8279	
D8749	Micro-C	8749	
D8755	Micro-C	8755	
FDC765	Micro-C	765	
LM317	Samsung	KA317	
		LM317	
	Unitrode	UC317	
LM337	Samsung	KA337	
LM350	Samsung	KA350	
	Unitrode	UC350	
LM723	Samsung	LM723	
MC157	Toshiba	THM82500	
MC41256A8	Motorola	MCM84256	
	Samsung	KMM58256	
	Vitelic	V256J8	
MC41256A9	Motorola	MCM94256	
	Samsung	KMM59256	
	Toshiba	THM92500	
	Vitelic	V256J9	
MC42100A8	Toshiba	THM81000	
MC421000A8	Motorola	MCM81000	
	Samsung	KMM581000	
	Vitelic	V100AJ8	
MC421000A9	Motorola	MCM91000	
	Samsung	KMM591000	
	Toshiba	THM91000	
	Vitelic	V100AJ9	
MC421000B9	Motorola	MCM91001	
MC421000C8	Motorola	MCM81002	
MC421000C9	Motorola	MCM91002	

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Manufacturer Device	Replacement Source	Device	IC Master Page
MC4210000B8	Motorola	MCM81001	
MC424256A36	Toshiba	THM362500	
MC424512A36	Toshiba	THM365120	
M27C256	Waferscale	WS27C256	
NMC27C256	Krueger	27C256-150	
		27C256-200	
		27C256-250	
PB8288	Micro-C	8288	
P8085	Micro-C	8085	
212141322	Micro-C	41256	
27HC65	Waferscale	WS57C49	
41256	Micro-C	41256	
421001	Micro-C	511001	
424400	Micro-C	514100	
8041	Micro-C	8041	
82C37	Samsung	KS82C37	
82C54	Samsung	KS82C54	
82C55	Samsung	KS82C55	
82C59	Samsung	KS82C59	
82C84	Samsung	KS82C84	
82C88	Samsung	KS82C88	
8493689	Micro-C	4164	
NJR			
NJM1458	Samsung	MC1458	
NJM2901	Samsung	LM2901	
NJM2902	Samsung	LM2902	
NJM2903	Samsung	LM2903	
NJM2904	Samsung	LM2904	
NJM311	Samsung	LM311	
NJM319	Samsung	KA319	
NJM324	Samsung	LM324	
NJM340	Samsung	MC3403	
NJM353	Samsung	KF353	
NJM358	Samsung	LM358	
NJM386	Samsung	LM386	
NJM4558	Samsung	MC4558	
NJM5532	Samsung	KA5532	
NJM741	Samsung	LM741	
NJM78L02	TI	µA78L02	
NJM78L05	TI	µA78L05	
NJM78L06	TI	µA78L06	
NJM78L08	TI	µA78L08	
NJM78L09	TI	µA78L09	
NJM78L12	TI	µA78L12	
NJM78L15	TI	µA78L15	
NJM78M05	TI	µA78M05	
NJM78M06	TI	µA78M06	
NJM78M08	TI	µA78M08	
NJM78M12	TI	µA78M12	
NJM78M15	TI	µA78M15	
NJM78M20	TI	µA78M20	
NJM78M24	TI	µA78M24	
NJM7805	TI	µA7805	
NJM7806	TI	µA7806	
NJM7808	TI	µA7808	
NJM7812	TI	µA7812	
NJM7815	TI	µA7815	
NJM7818	TI	µA7818	
NJM7824	TI	µA7824	
NJM79L05	TI	MC79L05	
NJM79L12	TI	MC79L12	
NJM79L15	TI	MC79L15	
NJM79M05	TI	µA79M05	
NJM79M06	TI	µA79M06	
NJM79M08	TI	µA79M08	
NJM79M12	TI	µA79M12	
NJM79M15	TI	µA79M15	
NJM7905	TI	µA7905	
NJM7906	TI	µA7906	
NJM7908	TI	µA7908	
NJM7912	TI	µA7912	
NJM7915	TI	µA7915	
NJM7918	TI	µA7918	
NJM7924	TI	µA7924	
NJU74HC00	GoldStar	GD74HC00	
	Harris	CD74HC00	
	Hitachi	HD74HC00	
	Motorola	MC74HC00A	
	National	MM74HC00	
	SGS-Thomson		
		M74HC00	
	Sharp	LR74HC00	
	Signetics	74HC00	
	TI	SN74HC00	
	Toshiba	TC74HC00A	
NJU74HC02	GoldStar	GD74HC02	
	Harris	CD74HC02	
	Hitachi	HD74HC02	

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Manufacturer Device	Replacement Source	Device	IC Master Page
NJU74HC02			(Cont'd)
	Motorola	MC74HC02A	
	National	MM74HC02	
	SGS-Thomson		
		M74HC02	
	Sharp	LR74HC02	
	Signetics	74HC02	
	TI	SN74HC02	
	Toshiba	TC74HC02A	
NJU74HC03	Harris	CD74HC03	
	Motorola	MC74HC03A	
	National	MM74HC03	
	SGS-Thomson		
		M74HC03	
	Sharp	LR74HC03	
	Signetics	74HC03	
	TI	SN74HC03	
	Toshiba	TC74HC03A	
NJU74HC04	Harris	CD74HC04	
	Hitachi	HD74HC04	
	Motorola	MC74HC04A	
	National	MM74HC04	
	SGS-Thomson		
		M74HC04	
	Sharp	LR74HC04	
	Signetics	74HC04	
	TI	SN74HC04	
	Toshiba	TC74HC04A	
NJU74HC05	National	MM74HC05	
	TI	SN74HC05	
NJU74HC08	Harris	CD74HC08	
	Hitachi	HD74HC08	
	Motorola	MC74HC08A	
	National	MM74HC08	
	SGS-Thomson		
		M74HC08	
	Sharp	LR74HC08	
	Signetics	74HC08	
	TI	SN74HC08	
	Toshiba	TC74HC08A	
NJU74HC09	Hitachi	HD74HC09	
	Mitsubishi	M74HC09	
	TI	SN74HC09	
	Toshiba	TC74HC09A	
NJU74HC10	Harris	CD74HC10	
	Hitachi	HD74HC10	
	Motorola	MC74HC10	
	National	MM74HC10	
	SGS-Thomson		
		M74HC10	
	Sharp	LR74HC10	
	Signetics	74HC10	
	TI	SN74HC10	
	Toshiba	TC74HC10A	
NJU74HC109	Harris	CD74HC109	
	Hitachi	HD74HC109	
	Motorola	MC74HC109	
	National	MM74HC109	
	SGS-Thomson		
		M74HC109	
	Sharp	LR74HC109	
	Signetics	74HC109	
	TI	SN74HC109	
	Toshiba	TC74HC109A	
NJU74HC11	Harris	CD74HC11	
	Hitachi	HD74HC11	
	Motorola	MC74HC11	
	National	MM74HC11	
	SGS-Thomson		
		M74HC11	
	Sharp	LR74HC11	
	Signetics	74HC11	
	TI	SN74HC11	
	Toshiba	TC74HC11A	
NJU74HC112	Harris	CD74HC112	
	Hitachi	HD74HC112	
	Motorola	MC74HC112	
	National	MM74HC112	
	SGS-Thomson		
		M74HC112	
	Sharp	LR74HC112	
	Signetics	74HC112	
	TI	SN74HC112	
	Toshiba	TC74HC112A	
NJU74HC113	Hitachi	HD74HC113	
	Mitsubishi	M74HC113	
	Motorola	MC74HC113	
	National	MM74HC113	
	SGS-Thomson		
		M74HC113	
	Sharp	LR74HC113	
	TI	SN74HC113	
	Toshiba	TC74HC113A	

Manufacturer Device	Replacement Source	Device	IC Master Page
NJU74HC114	Hitachi	HD74HC114	
	Mitsubishi	M74HC114	
	TI	SN74HC114	
NJU74HC123	Harris	CD74HC123	
	Hitachi	HD74HC123	
	Mitsubishi	M74HC123A	
	National	MM74HC123	
		MM74HC123A	
	SGS-Thomson		
		M74HC123	
		M74HC123A	
	Signetics	74HC123	
	Toshiba	TC74HC123	
		TC74HC123A	
NJU74HC132	Harris	CD74HC132	
	Hitachi	HD74HC132	
	Motorola	MC74HC132A	
	National	MM74HC132	
	SGS-Thomson		
		M74HC132	
	Sharp	LR74HC132	
	Signetics	74HC132	
	TI	SN74HC132	
	Toshiba	TC74HC132A	
NJU74HC137	Harris	CD74HC137	
	Hitachi	HD74HC137	
	Mitsubishi	M74HC137	
	Motorola	MC74HC137	
	National	MM74HC137	
	SGS-Thomson		
		M74HC137	
	Sharp	LR74HC137	
	Signetics	74HC137	
	TI	SN74HC137	
	Toshiba	TC74HC137A	
NJU74HC138	Harris	CD74HC138	
	Hitachi	HD74HC138	
	Mitsubishi	M74HC138-1	
	Motorola	MC74HC138A	
	National	MM74HC138	
	SGS-Thomson		
		M74HC138	
	Sharp	LR74HC138	
	Signetics	74HC138	
	TI	SN74HC138	
	Toshiba	TC74HC138A	
NJU74HC139	Harris	CD74HC139	
	Hitachi	HD74HC139	
	Mitsubishi	M74HC139-1	
	Motorola	MC74HC139A	
	National	MM74HC139	
	SGS-Thomson		
		M74HC139	
	Sharp	LR74HC139	
	Signetics	74HC139	
	TI	SN74HC139	
	Toshiba	TC74HC139A	
NJU74HC14	Harris	CD74HC14	
	Hitachi	HD74HC14	
	Mitsubishi	M74HC14	
	Motorola	MC74HC14A	
	National	MM74HC14	
	SGS-Thomson		
		M74HC14	
	Sharp	LR74HC14	
	Signetics	74HC14	
	TI	SN74HC14	
	Toshiba	TC74HC14A	
NJU74HC151	Harris	CD74HC151	
	Hitachi	HD74HC151	
	Motorola	MC74HC151	
	National	MM74HC151	
	SGS-Thomson		
		M74HC151	
	Sharp	LR74HC151	
	Signetics	74HC151	
	TI	SN74HC151	
	Toshiba	TC74HC151A	
NJU74HC153	Harris	CD74HC153	
	Hitachi	HD74HC153	
	Motorola	MC74HC153	
	National	MM74HC153	
	SGS-Thomson		
		M74HC153	
	Sharp	LR74HC153	
	Signetics	74HC153	
	TI	SN74HC153	
	Toshiba	TC74HC153A	
	Universal	US74HC153	
NJU74HC160	Harris	CD74HC160	
	Hitachi	HD74HC160	
	Mitsubishi	M74HC160	
	Motorola	MC74HC160	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
NJR			**(Cont'd)**
NJU74HC160			(Cont'd)
	National	MM74HC160	
	SGS-Thomson		
		M74HC160	
	Sharp	LR74HC160	
	Signetics	74HC160	
	TI	SN74HC160	
	Toshiba	TC74HC160A	
	Universal	US74HC160	
NJU74HC161	Harris	CD74HC161	
	Hitachi	HD74HC161	
	National	MM74HC161	
	SGS-Thomson		
		M74HC161	
	Sharp	LR74HC161	
	Signetics	74HC161	
	TI	SN74HC161	
	Toshiba	TC74HC161A	
	Universal	US74HC161	
NJU74HC162	Harris	CD74HC162	
	Hitachi	HD74HC162	
	Mitsubishi	M74HC162	
	Motorola	MC74HC162	
	National	MM74HC162	
	SGS-Thomson		
		M74HC162	
	Sharp	LR74HC162	
	Signetics	74HC162	
	TI	SN74HC162	
	Toshiba	TC74HC162A	
	Universal	US74HC162	
NJU74HC163	Harris	CD74HC163	
	Hitachi	HD74HC163	
	National	MM74HC163	
	Panasonic	MN74HC163	
	SGS-Thomson		
		M74HC163	
	Sharp	LR74HC163	
	Signetics	74HC163	
	TI	SN74HC163	
	Toshiba	TC74HC163A	
	Universal	US74HC163	
NJU74HC164	Harris	CD74HC164	
	Hitachi	HD74HC164	
	Motorola	MC74HC164	
	National	MM74HC164	
	SGS-Thomson		
		M74HC164	
	Sharp	LR74HC164	
	Signetics	74HC164	
	TI	SN74HC164	
	Toshiba	TC74HC164A	
	Universal	US74HC164	
NJU74HC165	Harris	CD74HC165	
	Hitachi	HD74HC165	
	Motorola	MC74HC165	
	National	MM74HC165	
	SGS-Thomson		
		M74HC165	
	Sharp	LR74HC165	
	Signetics	74HC165	
	TI	SN74HC165	
	Toshiba	TC74HC165A	
	Universal	US74HC165	
NJU74HC166	Harris	CD74HC166	
	Hitachi	HD74HC166	
	National	MM74HC166	
	SGS-Thomson		
		M74HC166	
	Signetics	74HC166	
	TI	SN74HC166	
	Toshiba	TC74HC166A	
NJU74HC174	Harris	CD74HC174	
	Hitachi	HD74HC174	
	Motorola	MC74HC174A	
	National	MM74HC174	
	SGS-Thomson		
		M74HC174	
	Sharp	LR74HC174	
	Signetics	74HC174	
	TI	SN74HC174	
	Toshiba	TC74HC174A	
	Universal	US74HC174	
NJU74HC175	Harris	CD74HC175	
	Hitachi	HD74HC175	
	Motorola	MC74HC175	
	National	MM74HC175	
	SGS-Thomson		
		M74HC175	
	Sharp	LR74HC175	
	Signetics	74HC175	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
NJU74HC175			(Cont'd)
	TI	SN74HC175	
	Toshiba	TC74HC175A	
	Universal	US74HC175	
NJU74HC192	Harris	CD74HC192	
	Hitachi	HD74HC192	
	Mitsubishi	M74HC192	
	National	MM74HC192	
	SGS-Thomson		
		M74HC192	
	Signetics	74HC192	
	TI	SN74HC192	
	Toshiba	TC74HC192A	
	Universal	US74HC192	
NJU74HC194	Harris	CD74HC194	
	Hitachi	HD74HC194	
	Mitsubishi	M74HC194	
	Motorola	MC74HC194	
	National	MM74HC194	
	SGS-Thomson		
		M74HC194	
	Sharp	LR74HC194	
	Signetics	74HC194	
	TI	SN74HC194	
	Toshiba	TC74HC194A	
	Universal	US74HC194	
NJU74HC195	Harris	CD74HC195	
	Hitachi	HD74HC195	
	Mitsubishi	M74HC195	
	Motorola	MC74HC195	
	National	MM74HC195	
	SGS-Thomson		
		M74HC195	
	Sharp	LR74HC195	
	Signetics	74HC195	
	TI	SN74HC195	
	Toshiba	TC74HC195A	
	Universal	US74HC195	
NJU74HC20	Harris	CD74HC20	
	Hitachi	HD74HC20	
	Mitsubishi	M74HC20	
	Motorola	MC74HC20	
	National	MM74HC20	
	SGS-Thomson		
		M74HC20	
	Sharp	LR74HC20	
	Signetics	74HC20	
	TI	SN74HC20	
	Toshiba	TC74HC20A	
	Universal	US74HC20	
NJU74HC21	Harris	CD74HC21	
	Hitachi	HD74HC21	
	SGS-Thomson		
		M74HC21	
	Signetics	74HC21	
	TI	SN74HC21	
	Toshiba	TC74HC21A	
	Universal	US74HC21	
NJU74HC237	Harris	CD74HC237	
	Hitachi	HD74HC237	
	Mitsubishi	M74HC237	
	Motorola	MC74HC237	
	National	MM74HC237	
	SGS-Thomson		
		M74HC237	
	Signetics	74HC237	
	TI	SN74HC237	
	Toshiba	TC74HC237A	
NJU74HC238	Harris	CD74HC238	
	Hitachi	HD74HC238	
	National	MM74HC238	
	SGS-Thomson		
		M74HC238	
	Signetics	74HC238	
	TI	SN74HC238	
	Toshiba	TC74HC238A	
NJU74HC239	TI	SN74HC239	
NJU74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	Motorola	MC74HC240A	
	National	MM74HC240	
	SGS-Thomson		
		M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
NJU74HC241	Harris	CD74HC241	
	Hitachi	HD74HC241	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
NJU74HC241			(Cont'd)
	Mitsubishi	M74HC241	
	Motorola	MC74HC241A	
	National	MM74HC241	
	SGS-Thomson		
		M74HC241	
		M74HC241HV	
	Sharp	LR74HC241	
	Signetics	74HC241	
	TI	SN74HC241	
	Toshiba	TC74HC241A	
NJU74HC244	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
	Motorola	MC74HC244A	
	National	MM74HC244	
	SGS-Thomson		
		M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
NJU74HC245	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
	National	MM74HC245	
		MM74HC245A	
	SGS-Thomson		
		M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
NJU74HC253	Harris	CD74HC253	
	Hitachi	HD74HC253	
	Mitsubishi	M74HC253	
	Motorola	MC74HC253	
	National	MM74HC253	
	SGS-Thomson		
		M74HC253	
	Sharp	LR74HC253	
	Signetics	PC74HC253	
	TI	SN74HC253	
	Toshiba	TC74HC253	
NJU74HC259	Harris	CD74HC259	
	Hitachi	HD74HC259	
	Mitsubishi	M74HC259	
	Motorola	MC74HC259	
	National	MM74HC259	
	SGS-Thomson		
		M74HC259	
	Sharp	LR74HC259	
	Signetics	74HC259	
	TI	SN74HC259	
	Toshiba	TC74HC259A	
NJU74HC266	Mitsubishi	M74HC266	
		M74HC266A	
	National	MM74HC266	
	SGS-Thomson		
		M74HC266	
	Sharp	LR74HC266	
	TI	SN74HC266	
NJU74HC27	Harris	CD74HC27	
	Hitachi	HD74HC27	
	Mitsubishi	M74HC27	
	Motorola	MC74HC27	
	National	MM74HC27	
	SGS-Thomson		
		M74HC27	
	Sharp	LR74HC27	
	Signetics	74HC27	
	TI	SN74HC27	
	Toshiba	TC74HC27A	
NJU74HC273	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
	Motorola	MC74HC273A	
	National	MM74HC273	
	SGS-Thomson		
		M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
NJU74HC32	Harris	CD74HC32	
	Hitachi	HD74HC32	
	Mitsubishi	M74HC32	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
NJU74HC32			(Cont'd)
	Motorola	MC74HC32A	
	National	MM74HC32	
	SGS-Thomson		
		M74HC32	
	Sharp	LR74HC32	
	Signetics	74HC32	
	TI	SN74HC32	
	Toshiba	TC74HC32A	
NJU74HC352	SGS-Thomson		
		M74HC352	
	TI	SN74HC352	
	Toshiba	TC74HC352	
NJU74HC353	Hitachi	HD74HC353	
	SGS-Thomson		
		M74HC353	
	TI	SN74HC353	
	Toshiba	TC74HC353A	
NJU74HC373	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	National	MM74HC373	
	SGS-Thomson		
		M74HC373	
	Sharp	LR74HC373	
	Signetics	74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
NJU74HC374	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	National	MM74HC374	
	SGS-Thomson		
		M74HC374	
	Sharp	LR74HC374	
	Signetics	74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	
NJU74HC375	Hitachi	HD74HC375	
	SGS-Thomson		
		M74HC375	
	TI	SN74HC375	
	Toshiba	TC74HC375A	
NJU74HC377	Harris	CD74HC377	
	Hitachi	HD74HC377	
	SGS-Thomson		
		M74HC377	
	Signetics	74HC377	
	TI	SN74HC377	
	Toshiba	TC74HC377A	
NJU74HC378	TI	SN74HC378	
NJU74HC379	TI	SN74HC379	
NJU74HC390	Harris	CD74HC390	
	Hitachi	HD74HC390	
	Motorola	MC74HC390	
	National	MM74HC390	
	SGS-Thomson		
		M74HC390	
	Sharp	LR74HC390	
	Signetics	74HC390	
	TI	SN74HC390	
	Toshiba	TC74HC390A	
NJU74HC393	Harris	CD74HC393	
	Hitachi	HD74HC393	
	Motorola	MC74HC393	
	National	MM74HC393	
	SGS-Thomson		
		M74HC393	
	Sharp	LR74HC393	
	Signetics	74HC393	
	TI	SN74HC393	
	Toshiba	TC74HC393A	
NJU74HC4002			
	Harris	CD74HC4002	
	Mitsubishi	M74HC4002	
	Motorola	MC74HC4002	
	National	MM74HC4002	
	SGS-Thomson		
		M74HC4002	
	Sharp	LR74HC4002	
	Signetics	74HC4002	
	TI	SN74HC4002	
	Toshiba	TC74HC4002A	
NJU74HC4020			
	Harris	CD74HC4020	
	Hitachi	HD74HC4020	
	Mitsubishi	M74HC4020	
	National	MM74HC4020	
	SGS-Thomson		
		M74HC4020	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
NJR			**(Cont'd)**
NJU74HC4020			(Cont'd)
	Signetics	74HC4020	
	TI	SN74HC4020	
	Toshiba	TC74HC4020A	
NJU74HC4040			
	Harris	CD74HC4040	
	Hitachi	HD74HC4040	
	Mitsubishi	M74HC4040	
	National	MM74HC4040	
	SGS-Thomson		
		M74HC4040	
	Signetics	74HC4040	
	TI	SN74HC4040	
	Toshiba	TC74HC4040A	
NJU74HC4066			
	Harris	CD74HC4066	
	Motorola	MC74HC4066	
	National	MM74HC4066	
	SGS-Thomson		
		M74HC4066	
	Signetics	74HC4066	
	TI	SN74HC4066	
	Toshiba	TC74HC4066A	
NJU74HC4072			
	SGS-Thomson		
		M74HC4072	
	Toshiba	TC74HC4072A	
NJU74HC490	Hitachi	HD74HC490	
	TI	SN74HC490	
NJU74HC51	Hitachi	HD74HC51	
	Mitsubishi	M74HC51	
	Motorola	MC74HC51	
	National	MM74HC51	
	SGS-Thomson		
		M74HC51	
	Sharp	LR74HC51	
	TI	SN74HC51	
	Toshiba	TC74HC51A	
NJU74HC533	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
	Motorola	MC74HC533A	
	National	MM74HC533	
	SGS-Thomson		
		M74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
NJU74HC534	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
	Motorola	MC74HC534A	
	National	MM74HC534	
	SGS-Thomson		
		M74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
NJU74HC58	Motorola	MC74HC58	
	National	MM74HC58	
	Sharp	LR74HC58	
NJU74HC620	Hitachi	HD74HC620	
	National	MM74HC620	
	SGS-Thomson		
		M74HC620	
	TI	SN74HC620	
	Toshiba	TC74HC620A	
NJU74HC623	Hitachi	HD74HC623	
	National	MM74HC623	
	SGS-Thomson		
		M74HC623	
	TI	SN74HC623	
	Toshiba	TC74HC623A	
NJU74HC640	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
	Motorola	MC74HC640A	
	National	MM74HC640	
	SGS-Thomson		
		M74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	
NJU74HC643	Harris	CD74HC643	
	Hitachi	HD74HC643	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
NJU74HC643			(Cont'd)
	Mitsubishi	M74HC643	
		M74HC643-1	
	National	MM74HC643	
	SGS-Thomson		
		M74HC643	
	Sharp	LR74HC643	
	Signetics	74HC643	
	TI	SN74HC643	
	Toshiba	TC74HC643A	
NJU74HC645	Mitsubishi	M74HC645	
		M74HC645-1	
	TI	SN74HC645	
NJU74HC7001			
	TI	SN74HC7001	
NJU74HC7002			
	TI	SN74HC7002	
NJU74HC7032			
	TI	SN74HC7032	
NJU74HC74	GoldStar	GD74HC74	
	Harris	CD74HC74	
	Hitachi	HD74HC74	
	Mitsubishi	M74HC74	
	Motorola	MC74HC74A	
	National	MM74HC74	
	SGS-Thomson		
		M74HC74	
	Sharp	LR74HC74	
	Signetics	74HC74	
	TI	SN74HC74	
	Toshiba	TC74HC74A	
NJU74HC85	Harris	CD74HC85	
	Hitachi	HD74HC85	
	Mitsubishi	M74HC85	
	Motorola	MC74HC85	
	National	MM74HC85	
	SGS-Thomson		
		M74HC85	
	Sharp	LR74HC85	
	Signetics	74HC85	
	TI	SN74HC85	
	Toshiba	TC74HC85A	
NJU74HC86	Harris	CD74HC86	
	Hitachi	HD74HC86	
	Mitsubishi	M74HC86	
	Motorola	MC74HC86	
	National	MM74HC86	
	SGS-Thomson		
		M74HC86	
	Sharp	LR74HC86	
	Signetics	74HC86	
	TI	SN74HC86	
	Toshiba	TC74HC86A	

NMB Technologies

AAA1M100	Krueger	511000-100	
		511000-70	
		511000-80	
AAA1M104	Vitelic	V53C104	
AAA1M200	Krueger	511000-100	
		511000-70	
		511000-80	
AAA1M300	Krueger	511000-100	
		511000-70	
		511000-80	
AAA1M304	Krueger	514256-100	
		514256-70	
		514256-80	
AAA2800	Micro-C	41258	
	Vitelic	V53C258	
AAA2801	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	Vitelic	V53C256	
MM1M100J8	Toshiba	THM81000	
MM1M100J9	Toshiba	THM91000	
MM256KOJ36			
	Vitelic	V104AJ36	
MM2800J8	Vitelic	V256J8	
MM2800J9	Vitelic	V256J9	

OKI Semiconductor

MSC2304-8	Vitelic	V256J8	
MSC2304-9	Vitelic	V256J9	
MSC2304KS8	NEC	MC41256A8	
MSC2304KS9	NEC	MC41256A9	
MSC2304S8	Motorola	MCM84256	
MSC2304S9	Motorola	MCM94256	
MSC2310KS9	NEC	MC421000A9	
MSC2310Y59	NEC	MC421000A9	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MSC2311K58	NEC	MC421000A8	
MSC231148	NEC	MC421000A8	
MSC2312	Toshiba	THM91000	
MSC2312-8	Vitelic	V100AJ8	
MSC2312-9	Vitelic	V100AJ9	
MSC2312S9	Motorola	MCM91000	
MSC2313	Toshiba	THM81000	
MSC2313S8	Motorola	MCM81000	
MSC2320	Toshiba	THM362500	
	Vitelic	V104AJ36	
MSC2321	Toshiba	THM365120	
MSC2327	Toshiba	THM322500	
MSC2328	Toshiba	THM82500	
MSC2331	Toshiba	THM92500	
MSC2333	Toshiba	THM325120	
MSC2340	Toshiba	THM94000	
MSC2340YS9	Motorola	MCM94000	
MSC2341	Toshiba	THM84000	
MSC2350	Toshiba	THM361020	
MSL912	Allegro		
	Micro	UDN6118	
MSM11000	Inova	S1M1	
MSM16811	**Catalyst**		
	Semi	**CAT93C46**	**(3424)**
	EXEL	XL93C46	
		XL93LC46	
	ICT	93C46	
		93C46AP	
		93C46P	
MSM16811GS			
	ICT	93C46AK	
MSM16911	**Catalyst**		
	Semi	**CAT59C11**	**(3424)**
MSM2114	**Krueger**	**2114-150**	**(3548)**
		2114-200	**(3548)**
		2114-450	**(3548)**
MSM2128	**Krueger**	**2128-100**	**(3548)**
		2128-120	**(3548)**
MSM27C1000			
	NEC	μPD27C1000	
MSM27C1024			
	Catalyst Semi	CAT27C210	
	Krueger	27C210	
	NEC	μPD27C1024	
MSM27C256	AMD	AM27C256	
	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	NEC	μPD27C256	
	SEEQ	27C256	
	Waferscale	WS27C256	
MSM27C64	Krueger	27C64-200	
		27C64-250	
		27C64-300	
MSM2708	Micro-C	2708	
MSM271000	AMD	AM27C010	
	Catalyst Semi	CAT27010	
MSM27128	Catalyst Semi	CAT27128	
	Krueger	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
	SEEQ	27128	
MSM2716	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
MSM27256	Catalyst Semi	CAT27256	
	Krueger	**27256-200**	**(3548)**
		27256-250	**(3548)**
		27256-300	**(3548)**
	Toshiba	TC57256	
MSM2732	**Krueger**	**2732-250**	**(3548)**
		2732-300	**(3548)**
		2732-350	**(3548)**
		2732-450	**(3548)**
MSM27512	Catalyst Semi	CAT27512	
	Krueger	**27512-200**	**(3548)**
		27512-250	**(3548)**
MSM2764	Catalyst Semi	CAT2764	
	Krueger	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
MSM2764A	Krueger	2764A-200	
		2764A-250	
		2764A-300	
		2764A-450	
MSM28C16	EXEL	XL28C16	
	Samsung	KM28C16	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MSM28C64	NEC	μPD28C64	
	Samsung	KM28C64	
MSM2816	Catalyst Semi	CAT28C16	
MSM2864	Catalyst Semi	CAT28C64	
MSM2965	Hughes	H23C64	
		H23C65	
MSM3716	Krueger	4116-120	
		4116-150	
		4116-200	
MSM37256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
MSM3764	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Samsung	KM4164	
MSM38128	Panasonic	MN23128	
MSM38256	Panasonic	MN23257	
MSM3864	Hughes	H23C64	
		H23C65	
	Panasonic	MN2364	
MSM4001	Fujitsu	MB4001P	
		MB4001PF	
MSM411000	Panasonic	MN411000	
MSM41256	GoldStar	GM71256	
	MicronTech	MT1259	
	Panasonic	MN41256	
	Vitelic	V53C256	
MSM41257	NEC	μPD41257	
	Panasonic	MN41257	
	Samsung	KM41C257	
MSM41464	Krueger	41464-100	
		41464-120	
		41464-150	
	Samsung	KM41C464	
	Vitelic	V53C464	
MSM4256	Inova	S256K4	
	MicronTech	MT4067	
MSM5001	Samsung	KS5199	
	Sanyo	KS5120	
MSM5004	Samsung	KS5195	
MSM5006	Samsung	KS5190	
MSM5008	Samsung	KS5113	
MSM5041	Samsung	KS5381	
MSM5093	Samsung	KS5206	
MSM51C256	Samsung	KM41C256	
MSM5104	Harris	HM6504	
MSM511000	GoldStar	GM71C1000	
	Krueger	511000-100	
		511000-70	
		511000-80	
	MicronTech	MT4C1024	
	Motorola	MCM511000	
	Panasonic	MN41C1000	
	Samsung	KM41C1000	
	Toshiba	TC511000	
		TC511000B	
MSM511001	MicronTech	MT4C1025	
	Samsung	KM41C1001	
	Toshiba	TC511001	
		TC511001B	
MSM511002	MicronTech	MT4C1026	
	Motorola	MCM511002	
	Panasonic	MN41C1002	
	Samsung	KM41C1002	
	Toshiba	TC511002	
MSM5114	Harris	HM6514	
	Krueger	21C14-150	
		21C14-200	
		21C14-450	
MSM5115	Harris	HM6514	
MSM51257	Catalyst Semi	CAT71C256	
	Cypress	CY7C199	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	Panasonic	MN44256	
	Toshiba	TC55257	
	UMC	UM62256	
MSM5127	Panasonic	MN4416	
MSM5128	GoldStar	GM76C28	
	Harris	HM65162	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	Panasonic	MN4416	
	UMC	UM6116	
MSM5129	Panasonic	MN4416	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

OKI Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
MSM514100	MicronTech	MT4C1004	
	NEC	μPD424100	
	Samsung	KM41C4000	
	Toshiba	TC514100	
MSM514101	Samsung	KM41C4001	
	Toshiba	TC514101	
MSM514102	MicronTech	MT4C1006	
	Samsung	KM41C4002	
	Toshiba	TC514102	
MSM514252	MicronTech	MT42C4256	
	NEC	μPD42274	
MSM514256	GoldStar	GM71C4256	
		GM71C7256	
	Krueger	514256-100	
		514256-70	
		514256-80	
	MicronTech	MT4C4256	
	Motorola	MCM514256	
	Panasonic	MN41C4256	
	Samsung	KM44C256	
	Toshiba	TC514256	
		TC514256B	
	Vitelic	V53C104	
MSM514258	MicronTech	MT4C4258	
	Motorola	MCM514258	
	Panasonic	MN41C4258	
	Samsung	KM44C258	
	Toshiba	TC514258	
		TC514258B	
MSM514400	MicronTech	MT4C1001	
	NEC	μPD424400	
	Samsung	KM44C1000	
	Toshiba	TC514400	
MSM514402	MicronTech	MT4C4003	
	Samsung	KM44C1002	
	Toshiba	TC514402	
MSM5165	GoldStar	GM76C88	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	Panasonic	MN4464	
	Toshiba	TC5563	
		TC5565	
	UMC	UM6264	
MSM5165L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
MSM5178	Toshiba	TC5588	
MSM5187	Toshiba	TC5561	
		TC5562	
MSM5188	**Krueger**	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	Toshiba	TC55416	
MSM5258	Toshiba	TC55464	
MSM5259	Samsung	KS0061	
MSM5298	Samsung	KS0101	
MSM5299	Samsung	KS0102	
MSM531000	GoldStar	GM231000	
	Hitachi	TC531000	
MSM5316	Hughes	H23C16	
MSM573	Hughes	H1822	
MSM575	Hughes	H1831	
		H1832	
MSM6002	Samsung	KS5243	
MSM6004	Samsung	KS5250	
MSM6222	Samsung	KS0062	
MSM6224	UMC	UM95088	
MSM6234	UMC	UM95089	
MSM6834	Samsung	KS7107	
MSM6964	Samsung	KS7100	
MSM6989	Samsung	KS7106	
MSM80C15	Siemens	SAB80C51	
MSM80C31	Siemens	SAB80C31	
MSM80C39	Krueger	8039	
MSM80C85A	**Newbridge**	**CA80C85B**	**(3593)**
MSM80C86	Harris	80C86	
MSM80C88	Harris	80C88	
MSM8085	**Krueger**	**8085A**	**(3548)**
MSM8128	Inova	S128K8	
MSM82C37	Harris	82C37	
MSM82C37A	**Newbridge**	**CA82C37A**	**(3593)**
MSM82C54	Harris	82C54	
	Newbridge	**CA82C54**	**(3593)**
MSM82C55	Harris	82C55	
	Krueger	8255	
MSM82C55A	**Newbridge**	**CA82C55A**	**(3593)**
MSM82C57	Unitrode	UC2847	
MSM82C59	Harris	82C59	
MSM82C59A	**Newbridge**	**CA82C59A**	**(3593)**

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MSM82C84	Harris	82C84	
MSM82C84A	**Newbridge**	**CA82C84A**	**(3593)**
MSM82C88	Harris	82C88	
	Newbridge	**CA82C88**	**(3593)**
MSM83C154	Siemens	SAB80513	
M27512	Waferscale	WS27C512	
M28C16	Micro-C	28C16	
M3764	Micro-C	4164	
M41256	Micro-C	41256	
M5M4464	GoldStar	GM71C464	
M5M51257	GoldStar	GM76C256	
M511000	Micro-C	511000	
M514256	Micro-C	414256	
M514258	Micro-C	414258	
M70H501	Micro-C	70H501	
M80C31	Krueger	8031	
M80C51	Micro-C	80C51	
M80C86	Micro-C	80C86	
M80C88	Micro-C	80C88	
M8051	Micro-C	8051	
M82C37	Samsung	KS82C37	
M82C51	Krueger	8251	
	Micro-C	82C51	
M82C53	Krueger	8253	
M82C54	Samsung	KS82C54	
M82C55	Micro-C	82C55	
	Samsung	KS82C55	
M82C59	Micro-C	82C59	
	Samsung	KS82C59	
M82C84	Samsung	KS82C84	
M82C88	Samsung	KS82C88	
UM91210	Sharp	UM91210	
8493286	Micro-C	4164	
8493689	Micro-C	4164	

Panasonic

μPC574	Samsung	KA33	
AB6558	AnalogSys	MA336	
AN1082	NJR	NJM082	
AN1234	AnalogSys	MA374	
AN1311	NJR	NJM311	
AN1319	NJR	NJM319	
AN1324	NJR	NJM2902	
		NJM324	
AN1339	NJR	NJM2901	
AN1358	AnalogSys	MA336	
		MA372	
	NJR	**NJM2904**	**(3594)**
AN1393	NJR	NJM2903	
AN1458	AnalogSys	MA336	
		MA372	
	NJR	NJM1458	
AN1741	AnalogSys	MA332	
		MA333	
		MA362	
	NJR	NJM741	
AN240	Samsung	KA2101	
AN278	Samsung	KA2244	
AN311	NJR	NJM311	
AN4250	**NJR**	**NJM4250**	**(3594)**
AN4558	AnalogSys	MA336	
		MA372	
	NJR	**NJM4558**	**(3594)**
AN5111	Samsung	KA2911	
AN5151	Samsung	KA2915	
AN5215	Samsung	KA2105	
AN5250	Samsung	KA2102	
AN5314	Samsung	KA2157	
AN5355	Samsung	KA6101	
AN5356	Samsung	KA6102	
AN5370	Samsung	KA2158	
AN5436	Samsung	KA2134	
AN5512	Samsung	KA2131	
AN5790	Samsung	KA2135	
AN5836	Samsung	KA2107	
AN6262	Samsung	KA2231	
AN6263	Samsung	KA2231	
AN6551	Gould AMI	S6551	
	NJR	**NJM4558**	**(3594)**
	Samsung	KA2407	
AN6552	AnalogSys	MA336	
		MA372	
	NJR	**NJM4558**	**(3594)**
AN6553	NJR	NJM4559	
AN6554	AnalogSys	MA374	
	NJR	NJM2059	
	Panasonic	NJM4741	
AN6555	NJR	NJM4559	
AN6556	AnalogSys	MA336	
		MA372	
	NJR	NJM4559	
AN6557	NJR	NJM2043	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
AN6558	AnalogSys	MA372	
	NJR	NJM2043	
AN6561	**NJR**	**NJM2904**	**(3594)**
AN6562	AnalogSys	MA336	
		MA372	
AN6564	AnalogSys	MA374	
	NJR	NJM2902	
		NJM324	
AN6567	**NJR**	**NJM3415**	**(3594)**
AN6568	**NJR**	**NJM3415**	**(3594)**
AN6570	AnalogSys	MA332	
		MA333	
		MA362	
	NJR	NJM741	
AN6572	AnalogSys	MA336	
		MA372	
AN6581	NJR	NJM082	
AN6610	Samsung	KA2404	
AN6612	Samsung	KA2402	
AN6884	Samsung	KA2284	
AN7112	Samsung	KA2212	
AN7116	Samsung	KA2201	
AN7118	Samsung	KA2209	
AN7143	Samsung	KA2206	
AN7147	Samsung	KA2210	
AN7178	Samsung	KA2211	
AN7205	Samsung	KA22495	
AN7213	Samsung	KA2249	
AN7223	Samsung	KA2247	
		KA22471	
AN7250	Samsung	KA22461	
AN7277	Samsung	KA22441	
AN7310	Samsung	KA2221	
AN7312	Samsung	KA2224	
		KA7226	
AN7315	Samsung	KA2225	
AN7320	Samsung	KA2220	
AN7330	Samsung	KA22233	
AN7410	Samsung	KA2261	
AN7417	Samsung	KA2262	
AN7420	Samsung	KA2263	
AN7421	Samsung	KA2264	
AN7470	Samsung	KA2265	
AN78L05	TI	μA78L05	
AN78L06	TI	μA78L06	
AN78L08	TI	μA78L08	
AN78L09	TI	μA78L09	
AN78L10	TI	μA78L10	
AN78L12	TI	μA78L12	
AN78L15	TI	μA78L15	
AN78M05	Samsung	MC78M05	
AN78M06	Samsung	MC78M06	
	TI	μA78M06	
AN78M08	Samsung	MC78M08	
	TI	μA78M08	
AN78M10	Samsung	MC78M10	
	TI	μA78M10	
AN78M12	Samsung	MC78M12	
	TI	μA78M12	
AN78M15	Samsung	MC78M15	
	TI	μA78M15	
AN78M18	Samsung	MC78M18	
AN78M20	Samsung	MC78M20	
	TI	μA78M20	
AN78M24	Samsung	MC78M24	
AN7805	Samsung	MC7805	
	TI	μA7805	
AN7806	Samsung	MC7806	
	TI	μA7806	
AN7808	Samsung	MC7808	
	TI	μA7808	
AN7810	TI	μA7810	
AN7812	Samsung	MC7812	
AN7815	Samsung	MC7815	
AN7818	Samsung	MC7818	
	TI	μA7818	
AN7824	Samsung	MC7824	
	TI	μA7824	
AN79L05	TI	MC79L05	
AN79L12	TI	MC79L12	
AN79L15	TI	MC79L15	
AN7905	Samsung	MC7905	
	TI	μA7905	
AN7906	Samsung	MC7906	
	TI	μA7906	
AN7908	Samsung	MC7908	
AN7912	Samsung	MC7912	
	TI	μA7912	
AN7915	Samsung	MC7915	
	TI	μA7915	
AN7918	Samsung	MC7918	
	TI	μA7918	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
AN7924	Samsung	MC7924	
	TI	μA7924	
DN6835	Allegro		
	Micro	UGN3501	
DN6836	Allegro		
	Micro	UGN3501	
DN6837	Allegro		
	Micro	UGN3119	
DN6838	Allegro		
	Micro	UGN3130	
DN6839	Allegro		
	Micro	UGN3119	
L5A0026	Micro-C	5A0026	
MN2114	**Krueger**	**2114-150**	**(3548)**
		2114-200	**(3548)**
		2114-450	**(3548)**
MN231000	OKI	MSM531000	
MN23128	OKI	MSM38128	
MN23257	OKI	MSM38256	
MN234000	OKI	MSM534002	
MN234002	OKI	MSM534001	
MN2716	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
MN41C4000	NEC	μPD424100	
	Toshiba	TC514100	
MN41C4001	NEC	μPD424101	
MN41C4002	NEC	μPD424102	
MN41C41000	NEC	μPD424400	
	Toshiba	TC514400	
MN41C41002	NEC	μPD424402	
	Toshiba	TC514410	
MN41C4256	Krueger	514256-100	
		514256-70	
		514256-80	
MN41256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	Micro-C	41256	
MN41257	Micro-C	41257	
MN41464	Krueger	41464-100	
		41464-120	
		41464-150	
MN4164	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
MN4216	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
MN4364	**Krueger**	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
MN44252	Toshiba	TC55464	
MN44256	Toshiba	TC55257	
MN4464	**Krueger**	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	Toshiba	TC5565	
MN47464	Micro-C	V256KX4	
		V64KX4	
MN74HC163	Harris	CD74HC163	
	Hitachi	HD74HC163	
	National	MM74HC163	
	NJR	NJU74HC163	
	SGS-Thomson	M74HC163	
	Sharp	LR74HC163	
	Signetics	74HC163	
	TI	SN74HC163	
	Toshiba	TC74HC163A	
	Universal	US74HC163	
MN74HC4052	Harris	CD74HC4052	
	Mitsubishi	M74HC4052	
	Motorola	MC74HC4052	
	National	MM74HC4052	
	SGS-Thomson	M74HC4052	
	Signetics	74HC4052	
	Toshiba	TC74HC4052A	
P4C188	Micro-C	S16KX4PSC	
4416	Micro-C	41416	

Paradigm Technology

PDM41251	Cypress	CY7C191	
PDM41252	Cypress	CY7C192	
PDM41256	Cypress	CY7C198	
		CY7C199	
	Toshiba	TC55328	
PDM41258	Cypress	CY7C194	
	Toshiba	TC55464	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Paradigm Technology (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
PDM41298	Toshiba	TC55465	

Performance Semiconductor Corp.

Manufacturer Device	Replacement Source	Device	IC Master Page
µPD4362	Krueger	6289-25	
		6289-35	
		6289-45	
PR3000	IDT	IDT79R3000	
PR3010	IDT	IDT79R3010	
PR3020	IDT	IDT79R3020	
P29PCT52	IDT	IDT29FCT52	
P29PCT520	IDT	IDT29FCT520	
	LogicDev	L29C520	
P29PCT521	LogicDev	L29C521	
P29PCT53	IDT	IDT29FCT53	
P29VP864	Cypress	CY7C263	
		CY7C264	
P29VS864	Cypress	CY7C261	
P29631	Cypress	CY7C281	
		CY7C282	
P29633	Cypress	CY7C281	
		CY7C282	
P29681	Cypress	CY7C291	
		CY7C292	
P29683	Cypress	CY7C291	
		CY7C292	
P39VP864	Cypress	CY7C263	
		CY7C264	
P39VS864	Cypress	CY7C261	
P4C116	AT&T	ATT7C116	
	IDT	IDT6116	
	LogicDev	L6116	
	Micro-C	S4KX4	
P4C1256	AT&T	ATT7C199	
	Cypress	CY7C198	
		CY7C199	
	IDT	IDT71256	
	LogicDev	L7C199	
	MicronTech	MT5C2568	
	Motorola	MCM6206	
	Paradigm	PDM41256	
	Toshiba	TC55328	
P4C1257	AT&T	ATT7C197	
	Cypress	CY7C197	
	LogicDev	L7C197	
	Motorola	MCM6207	
	Paradigm	PDM41257	
P4C1258	AT&T	ATT7C194	
	Cypress	CY7C194	
	IDT	IDT71B258	
	LogicDev	L7C194	
	MicronTech	MT5C2564	
	Motorola	MCM6208	
	Paradigm	PDM41258	
	Toshiba	TC55464	
P4C1298	IDT	IDT61B298	
	Motorola	MCM6209	
	Toshiba	TC55465	
P4C150	Cypress	CY7C150	
P4C163	IDT	IDT7169	
	Motorola	MCM6265	
	Toshiba	TC5589	
P4C164	AT&T	ATT7C185	
	Cypress	CY7C185	
		CY7C186	
	IDT	IDT7164	
	Krueger	6264-025	
		6264-035	
		6264-045	
	LogicDev	L7C185	
	Micro-C	S4KX4	
	MicronTech	MT5C6408	
	Motorola	MCM6264	
	Toshiba	TC5565	
		TC5588	
P4C168	AT&T	ATT7C168	
	IDT	IDT6168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
	Micro-C	S4KX4	
	MicronTech	MT5C1604	
P4C1681	AT&T	ATT7C171	
	Cypress	CY7C171	
	IDT	IDT71681	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
P4C1681			(Cont'd)
	LogicDev	L7C171	
	MicronTech	MT5C1606	
P4C1682	AT&T	ATT7C172	
	Cypress	CY7C172	
	IDT	IDT71682	
	LogicDev	L7C172	
	MicronTech	MT5C1607	
P4C169	Cypress	CY7C169	
	Motorola	MCM6269	
P4C170	AT&T	ATT7C170	
	LogicDev	L7C170	
	MicronTech	MT5C1605	
	Motorola	MCM6270	
P4C187	AT&T	ATT7C187	
	Cypress	CY7C187	
	IDT	IDT7187	
	LogicDev	L7C187	
	Micro-C	S16KX4PSC	
	MicronTech	MT5C1608	
		MT5C6401	
	Motorola	MCM6287	
	NEC	µPD4361	
	Toshiba	TC5561	
		TC5562	
P4C188	AT&T	ATT7C164	
	Cypress	CY7C164	
	IDT	IDT7188	
	Krueger	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	LogicDev	L7C164	
	Micro-C	S16KX4PSC	
	MicronTech	MT5C6404	
	Motorola	MCM6288	
	NEC	µPD4362	
	Quality Semi	QS8888	
	Toshiba	TC55416	
P4C198	AT&T	ATT7C165	
		ATT7C166	
	Cypress	CY7C166	
	IDT	IDT6198	
		IDT7198	
	LogicDev	L7C165	
		L7C166	
	MicronTech	MT5C6405	
	Motorola	MCM6290	
	Quality Semi	QS8885	
		QS8886	
	Toshiba	TC55417	
P4C1981	AT&T	ATT7C161	
	Cypress	CY7C161	
	IDT	IDT71981	
	LogicDev	L7C161	
	MicronTech	MT5C6406	
	Quality Semi	QS8881	
P4C1982	AT&T	ATT7C162	
	Cypress	CY7C162	
	IDT	IDT71982	
	LogicDev	L7C162	
	Micro-C	S16KX4PSC	
	MicronTech	MT5C6407	
	Quality Semi	QS8882	
P4C6116	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
P41256	Cypress	CY7C199	
P54PCT138	IDT	IDT54FCT138	
P54PCT139	IDT	IDT54FCT139	
P54PCT161	IDT	IDT54FCT161	
P54PCT163	IDT	IDT54FCT163	
P54PCT240	IDT	IDT54FCT240	
P54PCT241	IDT	IDT54FCT241	
P54PCT244	IDT	IDT54FCT244	
P54PCT245	IDT	IDT54FCT245	
P54PCT273	IDT	IDT54FCT273	
P54PCT373	IDT	IDT54FCT373	
P54PCT374	IDT	IDT54FCT374	
P54PCT377	IDT	IDT54FCT377	
P54PCT399	IDT	IDT54FCT399	
		IDT74FCT399	
P54PCT521	IDT	IDT54FCT521	
P54PCT533	IDT	IDT54FCT533	
P54PCT534	IDT	IDT54FCT534	
P54PCT543	IDT	IDT54FCT543	
P54PCT573	IDT	IDT54FCT573	
P54PCT574	IDT	IDT54FCT574	
P54PCT640	IDT	IDT54FCT640	
P54PCT645	IDT	IDT54FCT645	
P54PCT646	IDT	IDT54FCT646	
P54PCT821	IDT	IDT54FCT821	
P54PCT823	IDT	IDT54FCT823	
P54PCT825	IDT	IDT54FCT825	

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Manufacturer Device	Replacement Source	Device	IC Master Page
P54PCT827	IDT	IDT54FCT827	
P54PCT833	IDT	IDT54FCT833	
P54PCT841	IDT	IDT54FCT841	
P54PCT843	IDT	IDT54FCT843	
P74PCT138	IDT	IDT74FCT138	
P74PCT139	IDT	IDT74FCT139	
P74PCT161	IDT	IDT74FCT161	
P74PCT163	IDT	IDT74FCT163	
P74PCT240	IDT	IDT74FCT240	
P74PCT241	IDT	IDT74FCT241	
P74PCT244	IDT	IDT74FCT244	
P74PCT245	IDT	IDT74FCT245	
P74PCT273	IDT	IDT74FCT273	
P74PCT373	IDT	IDT74FCT373	
P74PCT374	IDT	IDT74FCT374	
P74PCT377	IDT	IDT74FCT377	
P74PCT521	IDT	IDT74FCT521	
P74PCT534	IDT	IDT74FCT534	
P74PCT573	IDT	IDT74FCT573	
P74PCT574	IDT	IDT74FCT574	
P74PCT640	IDT	IDT74FCT640	
P74PCT645	IDT	IDT74FCT645	
P74PCT646	IDT	IDT74FCT646	
P74PCT821	IDT	IDT74FCT821	
P74PCT823	IDT	IDT74FCT823	
P74PCT825	IDT	IDT74FCT825	
P74PCT827	IDT	IDT74FCT827	
P74PCT833	IDT	IDT74FCT833	
P74PCT841	IDT	IDT74FCT841	
P74PCT843	IDT	IDT74FCT843	
P93U422	Cypress	CY7C122	

Quality Semiconductor, Inc.

Manufacturer Device	Replacement Source	Device	IC Master Page
QS8761	AT&T	ATT7C171	
QS8762	AT&T	ATT7C172	
QS8768	AT&T	ATT7C168	
QS8780	AT&T	ATT7C180	
QS8816	AT&T	ATT7C183	
QS8817	AT&T	ATT7C184	
QS8821	AT&T	ATT7C191	
QS8822	AT&T	ATT7C192	
QS8828	AT&T	ATT7C194	
QS8881	AT&T	ATT7C161	
QS8882	AT&T	ATT7C162	
QS8885	AT&T	ATT7C165	
QS8886	AT&T	ATT7C166	
QS8888	AT&T	ATT7C164	

Raytheon Semiconductor

Manufacturer Device	Replacement Source	Device	IC Master Page
DAC08	AD	DAC08	
	Motorola	DAC08	
DAC10	AD	DAC10	
	GEC Plessey	SP9770	
DAC6012	AMD	AM6012	
	AD	DAC312	
LH2101	Motorola	MC1537	
LM101	AD	OP77	
	Burr-Brown	3510	
	LinearTech	LM101	
	Motorola	LM101	
LM107	LinearTech	LM107	
LM108	AD	PM1008	
LM108ADE/883			
	TI	LM108AJGB	
LM108AT/883B			
	TI	LM108ALB	
LM108DE/883			
	TI	LM108JGB	
LM108T/883B			
	TI	LM108LB	
LM110	AD	OP15	
LM111	LinearTech	LM111	
		LT1011	
		LT111	
	Motorola	LM111	
LM124	AD	OP11	
		OP421	
	LinearTech	LT1014	
LM124J	TI	LM124J	
LM124J/883B			
	TI	LM124JB	
LM139	AD	CMP04	
		PM139	
LM139AJ	TI	LM139AJ	
LM139AJ/883B			
	TI	LM139AJB	
LM139J	TI	LM139J	
LM139J/883B			
	TI	LM139JB	
LM148	**AD**	**PM148**	**(3342)**
	LinearTech	LM1014	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LM148J	TI	LM148J	
LM148J/883B			
	TI	LM148JB	
LM2901	AD	CMP04	
LM301	AnalogSys	MA332	
		MA333	
		MA362	
LM311	LinearTech	LM311	
		LT1011	
		LT311	
LM324	AD	OP11	
		OP421	
	AnalogSys	MA374	
LM339	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
	Motorola	LM339	
LM348	AD	OP11	
	AnalogSys	MA374	
LM358	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
LP365	National	LP365	
LT1001	AD	OP177	
		OP77	
LT1012	AD	PM1012	
OP05	Burr-Brown	OPA27	
	LinearTech	LT1001	
		OP05	
OP07	AD	OP07	
		OP177	
	Burr-Brown	OPA27	
	LinearTech	LT1001	
		OP07	
OP27	AD	OP27	
	Burr-Brown	OPA27	
	LinearTech	LT1007	
	Motorola	OP27	
OP27ADE/883B			
	TI	OP27AJGB	
OP27AT/883B			
	TI	OP27ALB	
OP27CDE/883B			
	TI	OP27CJGB	
OP27CT/883B			
	TI	OP27CLB	
OP37	AD	OP37	
	Burr-Brown	OPA37	
	LinearTech	LT1037	
		OP37	
OP37ADE/883B			
	TI	OP37AJGB	
OP37AT/883B			
	TI	OP37ALB	
OP37CDE/883B			
	TI	OP37CJGB	
OP37CT/883B			
	TI	OP37CLB	
OP47	Burr-Brown	OPA37	
OP77	AD	OP177	
		OP77	
RC1437	Motorola	MC1437	
RC1458	Burr-Brown	OPA2111	
	Motorola	MC1458	
	National	LM1458	
RC1488	Motorola	MC1488	
	SGS-Thomson	MC1488	
RC1489	Motorola	MC1489	
	SGS-Thomson	MC1489	
RC1556	Motorola	MC1456	
RC1558	Motorola	MC1558	
	National	LM1558	
♦ RC1900	Lansdale	ML1800	
♦ RC1901	Lansdale	ML1801	
♦ RC1902	Lansdale	ML1802	
♦ RC1903	Lansdale	ML1803	
♦ RC1904	Lansdale	ML1804	
♦ RC1905	Lansdale	ML1805	
RC2041	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
RC2043	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
RC2902	AnalogSys	MA374	
RC3078	Burr-Brown	OPA21	
RC3302	Motorola	MC3302	
RC3403	AnalogSys	MA374	
	Harris	**CA5470**	**(3508)**

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Raytheon Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
RC4077	AD	OP177	
RC4097	AD	OP97	
RC4131	AnalogSys	MA332	
		MA333	
		MA362	
	Elantec	EHA2605	
	Motorola	MC1741	
RC4136	AD	OP09	
	Burr-Brown	OPA404	
	Exar	XR4136	
	Motorola	MC3403	
	TI	RC4136	
RC4151	Exar	XR4151	
RC4153	**Burr-Brown**	**VFC320**	**(3422)**
RC4156	AD	OP11	
		OP421	
	AnalogSys	MA374	
	Burr-Brown	OPA404	
	TI	LM348	
RC4157	TI	LM348	
RC4194	Motorola	MC1468	
RC4195	Motorola	MC1468	
RC4207	AD	OP270	
RC4227	AD	OP270	
RC4277	AD	OP200	
RC4531	AnalogSys	MA332	
		MA333	
		MA362	
	Elantec	EHA2505	
RC4556	AnalogSys	MA336	
		MA372	
RC4558	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
	TI	RC4558	
RC4559	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
	TI	RC4559	
RC4560	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
RC4562	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
RC4739	Burr-Brown	OPA2111	
RC4741	AD	OP11	
		OP421	
	Harris	HA4741	
RC4805	Elantec	EL2018	
	Signetics	NE5105	
RC5532	**AD**	**SSM2139**	**(3337, 3343, 3354)**
	AnalogSys	MA336	
		MA372	
	Burr-Brown	OPA2111	
	Exar	XR5532	
	Harris	HA5102	
	Samsung	KA5532	
	Signetics	NE5532	
RC5534	**AD**	**SSM2134**	**(3354)**
	Burr-Brown	OPA37	
	Harris	HA5101	
	Signetics	NE5534	
RC709	Motorola	MC1709	
♦ RC710	Lansdale	ML1710	
RC714	Burr-Brown	OPA27	
	LinearTech	LT1001	
		OP07	
	National	LM607	
RC723	Fujitsu	MB3752	
	Motorola	MC1723	
RC741	AD	OP77	
	AnalogSys	MA332	
		MA333	
		MA362	
	Motorola	MC1741	
	National	LM741	
RC747	AD	OP04	
	Burr-Brown	OPA2111	
	Motorola	MC1747	
	National	LM747	
RC748	Motorola	MC1748	
RC75107	Motorola	MC75107	
RC75108	Motorola	MC75108	
RC75109	Motorola	MC75S110	
RC75110	Motorola	MC75S110	
♦ RC8200	Lansdale	ML7200	
♦ RC8201	Lansdale	ML7201	
♦ RC8202	Lansdale	ML7202	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ RC8203	Lansdale	ML7203	
♦ RC8233	Lansdale	ML7233	
♦ RC8234	Lansdale	ML7234	
♦ RC8241	Lansdale	ML7241	
♦ RC8242	Lansdale	ML7242	
♦ RC8250	Lansdale	ML7250	
♦ RC8251	Lansdale	ML7251	
♦ RC8260	Lansdale	ML7260	
♦ RC8261	Lansdale	ML7261	
♦ RC8266	Lansdale	ML7266	
♦ RC8270	Lansdale	ML7270	
♦ RC8271	Lansdale	ML7271	
♦ RC8280	Lansdale	ML7280	
♦ RC8281	Lansdale	ML7281	
♦ RC8290	Lansdale	ML7290	
♦ RC8291	Lansdale	SL7291	
♦ RC930	Lansdale	ML830	
♦ RC9304	Rochester	9304	
♦ RC9310	Rochester	9310	
♦ RC932	Lansdale	ML832	
♦ RC933	Lansdale	ML833	
♦ RC934	Lansdale	ML834	
♦ RC9341	Rochester	9341	
♦ RC935	Lansdale	ML835	
♦ RC936	Lansdale	ML836	
♦ RC937	Lansdale	ML837	
♦ RC940	Lansdale	ML840	
♦ RC941	Lansdale	ML841	
♦ RC944	Lansdale	ML844	
♦ RC945	Lansdale	ML845	
♦ RC946	Lansdale	ML846	
♦ RC948	Lansdale	ML848	
♦ RC949	Lansdale	ML849	
♦ RC950	Lansdale	ML850	
♦ RC951	Lansdale	ML851	
♦ RC957	Lansdale	ML857	
♦ RC958	Lansdale	ML858	
♦ RC961	Lansdale	ML861	
♦ RC962	Lansdale	ML862	
♦ RC963	Lansdale	ML863	
♦ RC993	Lansdale	ML853	
♦ RC994	Lansdale	ML856	
♦ RC997	Lansdale	ML855	
♦ RC999	Lansdale	ML852	
REF01	AD	REF01	
	GEC Plessey	REF100	
		ZNREF100	
	Motorola	MC1404	
	National	LM368	
		LM369	
REF02	AD	REF02	
	GEC Plessey	REF50	
		ZNREF050	
	Motorola	MC1404	
	National	LM368	
REF03	AD	REF03	
		REF43	
	National	LM368	
♦ RF100	Lansdale	ML523	
♦ RF101	Lansdale	ML573	
♦ RF110	Lansdale	ML524	
♦ RF111	Lansdale	ML574	
♦ RF120	Lansdale	ML2123	
		ML2124	
♦ RF121	Lansdale	ML2173	
♦ RF131	Lansdale	ML2174	
♦ RF200	Lansdale	ML2125	
♦ RF201	Lansdale	ML2175	
♦ RF210	Lansdale	ML2126	
♦ RF30	Lansdale	ML521	
♦ RF31	Lansdale	ML571	
♦ RF50	Lansdale	ML515	
♦ RF51	Lansdale	ML565	
♦ RF60	Lansdale	ML516	
♦ RF61	Lansdale	ML566	
♦ RF71	Lansdale	ML570	
♦ RF9601	Lansdale	ML9601	
♦ RG110	Lansdale	ML505	
♦ RG111	Lansdale	ML555	
♦ RG120	Lansdale	ML506	
♦ RG121	Lansdale	ML556	
♦ RG130	Lansdale	ML507	
♦ RG131	Lansdale	ML557	
♦ RG140	Lansdale	ML508	
♦ RG141	Lansdale	ML558	
♦ RG150	Lansdale	ML509	
♦ RG151	Lansdale	ML559	
♦ RG160	Lansdale	ML519	
♦ RG161	Lansdale	ML569	
♦ RG170	Lansdale	ML510	
♦ RG171	Lansdale	ML560	
♦ RG180	Lansdale	ML511	
♦ RG181	Lansdale	ML561	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ RG190	Lansdale	ML512	
♦ RG191	Lansdale	ML562	
♦ RG200	Lansdale	ML2111	
♦ RG201	Lansdale	ML2161	
♦ RG210	Lansdale	ML2100	
♦ RG211	Lansdale	ML2150	
♦ RG220	Lansdale	ML2101	
♦ RG221	Lansdale	ML2121	
♦ RG223	Lansdale	ML2051	
♦ RG230	Lansdale	ML2102	
♦ RG231	Lansdale	ML2152	
♦ RG240	Lansdale	ML2103	
♦ RG241	Lansdale	ML2153	
♦ RG250	Lansdale	ML2104	
♦ RG251	Lansdale	ML2154	
♦ RG260	Lansdale	ML2105	
♦ RG261	Lansdale	ML2155	
♦ RG270	Lansdale	ML2106	
♦ RG271	Lansdale	ML2156	
♦ RG280	Lansdale	ML527	
♦ RG281	Lansdale	ML577	
♦ RG290	Lansdale	ML528	
♦ RG291	Lansdale	ML578	
♦ RG300	Lansdale	ML2112	
♦ RG301	Lansdale	ML2162	
♦ RG310	Lansdale	ML2113	
♦ RG311	Lansdale	ML2163	
♦ RG320	Lansdale	ML2107	
♦ RG321	Lansdale	ML2157	
♦ RG370	Lansdale	ML529	
♦ RG371	Lansdale	ML579	
♦ RG380	Lansdale	ML2116	
♦ RG381	Lansdale	ML2166	
♦ RG40	Lansdale	ML500	
♦ RG41	Lansdale	ML550	
♦ RG50	Lansdale	ML501	
♦ RG51	Lansdale	ML551	
♦ RG60	Lansdale	ML502	
♦ RG61	Lansdale	ML552	
♦ RG70	Lansdale	ML520	
♦ RG7520	Lansdale	ML2165	
♦ RG80	Lansdale	ML526	
♦ RG81	Lansdale	ML576	
♦ RG83	Lansdale	ML476	
♦ RG90	Lansdale	ML503	
♦ RG91	Lansdale	ML553	
♦ RL10	Lansdale	ML4326	
♦ RL11	Lansdale	ML4327	
♦ RL20	Lansdale	ML4328	
♦ RL21	Lansdale	ML4329	
♦ RL30	Lansdale	ML4330	
♦ RL31	Lansdale	ML4331	
♦ RL40	Lansdale	ML4332	
♦ RL61	Lansdale	ML4335	
♦ RL71	Lansdale	ML4337	
♦ RL80	Lansdale	ML4304	
♦ RL81	Lansdale	ML4305	
RM1537	Motorola	MC1537	
RM1558	LinearTech	LT1013	
♦ RM1900	Lansdale	ML1900	
♦ RM1901	Lansdale	ML1901	
♦ RM1902	Lansdale	ML1902	
♦ RM1903	Lansdale	ML1903	
♦ RM1904	Lansdale	ML1904	
♦ RM1905	Lansdale	ML1905	
♦ RM201	Lansdale	RL201	
♦ RM202	Lansdale	RL202	
♦ RM204	Lansdale	RL204	
♦ RM206	Lansdale	RL206	
♦ RM208	Lansdale	RL208	
♦ RM210	Lansdale	RL210	
♦ RM211	Lansdale	RL211	
♦ RM212	Lansdale	RL212	
♦ RM213	Lansdale	RL213	
♦ RM214	Lansdale	RL214	
♦ RM215	Lansdale	RL215	
♦ RM216	Lansdale	RL216	
♦ RM217	Lansdale	RL217	
♦ RM220	Lansdale	RL220	
♦ RM221	Lansdale	RL221	
♦ RM224	Lansdale	RL224	
♦ RM225	Lansdale	RL225	
♦ RM226	Lansdale	RL226	
♦ RM227	Lansdale	RL227	
♦ RM231	Lansdale	RL231	
♦ RM234	Lansdale	RL234	
♦ RM236	Lansdale	RL236	
♦ RM241	Lansdale	RL241	
♦ RM246	Lansdale	RL246	
♦ RM261	Lansdale	RL261	
♦ RM266	Lansdale	RL266	
♦ RM286	Lansdale	RL286	
♦ RM288	Lansdale	RL288	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ RM296	Lansdale	RL296	
RM3182	Holt	HI8282	
		HI8382	
RM3183	Holt	HI8482	
RM4077	AD	OP177	
RM4097	AD	OP97	
RM4131	Elantec	EHA2600	
RM4136	AD	OP09	
	Motorola	MC3503	
RM4136DC	TI	RM4136J	
RM4136DC/883B			
	TI	RM4136JB	
RM4194	Motorola	MC1568	
RM4195	Motorola	MC1568	
RM4207	AD	OP270	
RM4227	AD	OP200	
RM4531	Elantec	EHA2500	
RM4556DE	TI	RM4558JG	
RM4558DE/883B			
	TI	RM4558JGB	
RM4559DE/883B			
	TI	RM4559JGB	
RM4805	Signetics	SE5105	
RM5532	Harris	HA5102	
	Signetics	SE5532	
RM5534	Harris	HA5101	
RM709	Motorola	MC1709	
RM723	Fujitsu	MB3752	
	Motorola	MC1723	
RM741	AD	OP77	
	Motorola	MC1741	
RM741DC/883B			
	TI	UA741MJB	
RM741DE/883B			
	TI	UA741MJGB	
RM741T/883B			
	TI	UA741MLB	
RM747	AD	OP04	
	Motorola	MC1747	
RM747DC/883B			
	TI	UA747MJB	
RM748	Motorola	MC1748	
♦ RM8T10	Lansdale	SL8T10	
♦ RM8T14	Lansdale	SL8T14	
♦ RM8T20	Lansdale	SL8T20	
♦ RM8T24	Lansdale	SL8T24	
♦ RM8200	Lansdale	ML8200	
		SL8200	
♦ RM8201	Lansdale	ML8201	
		SL8201	
♦ RM8202	Lansdale	SL8202	
♦ RM8203	Lansdale	ML8203	
		SL8203	
♦ RM8230	Lansdale	SL8230	
♦ RM8231	Lansdale	SL8231	
♦ RM8232	Lansdale	SL8232	
♦ RM8233	Lansdale	ML8233	
♦ RM8234	Lansdale	ML8234	
		SL8234	
♦ RM8241	Lansdale	ML8241	
		SL8241	
♦ RM8242	Lansdale	ML8242	
♦ RM8243	Lansdale	SL8243	
♦ RM8250	Lansdale	ML8250	
		SL8250	
♦ RM8251	Lansdale	ML8251	
		SL8251	
♦ RM8252	Lansdale	ML8252	
♦ RM8260	Lansdale	ML8260	
		SL8260	
♦ RM8261	Lansdale	ML8261	
		SL8261	
♦ RM8263	Lansdale	SL8263	
♦ RM8264	Lansdale	SL8264	
♦ RM8266	Lansdale	ML8266	
		SL8266	
♦ RM8267	Lansdale	ML8267	
		SL8267	
♦ RM8270	Lansdale	ML8270	
		SL8270	
♦ RM8271	Lansdale	ML8271	
		SL8271	
♦ RM8273	Lansdale	SL8273	
♦ RM8274	Lansdale	SL8274	
♦ RM8275	Lansdale	SL8275	
♦ RM8277	Lansdale	SL8277	
♦ RM8280	Lansdale	ML8280	
		SL8280	
♦ RM8281	Lansdale	ML8281	
		SL8281	
♦ RM8284	Lansdale	ML8284	
		SL8284	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Raytheon Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ RM8285	Lansdale	ML8285	
		SL8285	
♦ RM8290	Lansdale	ML8290	
		SL8290	
♦ RM8291	Lansdale	ML8291	
		SL8291	
♦ RM8293	Lansdale	SL8293	
♦ RM930	Lansdale	ML930	
♦ RM9304	Rochester	9304	
♦ RM9310	Rochester	9310	
♦ RM933	Lansdale	ML933	
♦ RM934	Lansdale	ML934	
♦ RM9341	Rochester	9341	
♦ RM935	Lansdale	ML935	
♦ RM939	Lansdale	ML939	
♦ RM940	Lansdale	ML940	
♦ RM941	Lansdale	ML941	
♦ RM944	Lansdale	ML944	
	Rochester	944	
♦ RM945	Lansdale	ML945	
	Rochester	945	
♦ RM946	Lansdale	ML946	
	Rochester	946	
♦ RM948	Lansdale	ML948	
	Rochester	948	
♦ RM949	Lansdale	ML949	
♦ RM950	Lansdale	ML950	
	Rochester	950	
♦ RM951	Lansdale	ML951	
	Rochester	951	
♦ RM952	Lansdale	ML952	
♦ RM953	Lansdale	ML953	
♦ RM955	Lansdale	ML955	
♦ RM956	Lansdale	ML956	
♦ RM957	Lansdale	ML957	
♦ RM958	Lansdale	ML958	
♦ RM961	Lansdale	ML961	
	Rochester	961	
♦ RM962	Lansdale	ML962	
	Rochester	962	
♦ RM963	Lansdale	ML963	
	Rochester	963	
♦ RM993	Lansdale	ML953	
	Rochester	9093	
♦ RM994	Lansdale	ML956	
	Rochester	9094	
♦ RM997	Lansdale	ML955	
	Rochester	9097	
♦ RM999	Lansdale	ML952	
RV4077	AD	OP177	
RV4097	AD	OP97	
RV4207	AD	OP270	
RV741	AD	OP77	
R2971	ICT	27CX322	
R2971S	ICT	27CX322C-45	
♦ SG710	Lansdale	ML1710	
♦ S9671	Lansdale	HL76321	
XR2207	Exar	XR2007	
XR2211	Exar	XR2211	
♦ 29611	Lansdale	HL7621	
♦ 29621	Lansdale	HL7649	
♦ 29625	Lansdale	HL7641	
29631	Gould AMI	S25089	
♦ 29635	Lansdale	HL7681	
♦ 29641	Lansdale	HL76165	
♦ 29651	Lansdale	HL7685	
♦ 29660	Lansdale	HL7610	
♦ 29661	Lansdale	HL7611	
29671	Waferscale	WS57C43	
♦ 29681	Lansdale	HL76161	
	Waferscale	WS57C291	
29683	Waferscale	WS57C191	
39VP864	ICT	27CX641	
	NEC	μPD27HC65	
	Waferscale	WS57C49	
39VP864D	ICT	27CX641C-55	
39VP865	ICT	27CX642	
39VP865S	ICT	27CX624C-55	
♦ 82S130	Lansdale	HL7620	
♦ 82S140	Lansdale	HL7640	

Ricoh

Manufacturer Device	Replacement Source	Device	IC Master Page
EPL10P8	Lattice	GAL16V8	
EPL12P6	ICT	PEEL18CV8	
	Lattice	GAL16V8	
EPL14P4	ICT	PEEL18CV8	
	Lattice	GAL16V8	
EPL16P2	ICT	PEEL18CV8	
	Lattice	GAL16V8	
EPL16P8	ICT	PEEL18CV8	
	Lattice	GAL16V8	
EPL16RP4	ICT	PEEL18CV8	
	Lattice	GAL16V8	
EPL16RP6	ICT	PEEL18CV8	
	Lattice	GAL16V8	
EPL16RP8	ICT	PEEL18CV8	
	Lattice	GAL16V8	
EPL204	ICT	PEEL18CV8	
EP10P8	ICT	PEEL18CV8	
RD27C256	Krueger	27C256-150	
		27C256-200	
		27C256-250	
RD27C512	Krueger	27C512-150	
		27C512-200	
		27C512-250	

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Rochester Electronics

Manufacturer Device	Replacement Source	Device	IC Master Page
54H01	Rochester	RC3104	
54H04	Rochester	RC3108	
54H05	Rochester	RC3109	
54H10	Rochester	RC3105	
54H11	Rochester	RC3106	
54H21	Rochester	RC3111	
54H22	Rochester	RC3112	
54H30	Rochester	RC3116	
54H40	Rochester	RC3124	
54H50	Rochester	RC3120	
54H51	Rochester	RC3123	
54H52	Rochester	RC3131	
54H53	Rochester	RC3132	
54H54	Rochester	RC3133	
54H55	Rochester	RC3134	
54H60	Rochester	RC3130	
54H61	Rochester	RC3119	
54H62	Rochester	RC3118	
54H71	Rochester	RC3154	
54H72	Rochester	RC3155	
54H73	Rochester	RC3163	
54H74	Rochester	RC3160	
54LS165A	Motorola	SN54LS165	
	National	54LS165	
	TI	SN54LS165A	
54S00	National	DM54S00	
	Signetics	54S00	
	TI	SN54S00	
54S02	National	DM54S02	
	Signetics	54S02	
	TI	SN54S02	
54S04	National	DM54S04	
	Signetics	54S04	
	TI	SN54S04	
54S08	National	DM54S08	
	Signetics	54S08	
	TI	SN54S08	
54S09	TI	SN54S09	
54S10	National	DM54S10	
	Signetics	54S10	
	TI	SN54S10	
54S11	National	DM54S11	
	Signetics	54S11	
	TI	SN54S11	
54S112	National	DM54S112	
	Signetics	54S112	
	TI	SN54S112	
54S113	National	DM54S113	
	Signetics	54S113	
	TI	SN54S113	
54S114	TI	SN54S114	
54S133	National	DM54S133	
	Signetics	54S133	
	TI	SN54S133	
54S134	Signetics	54S134	
	TI	SN54S134	
54S139	National	DM54S139	
	Signetics	54S139	
	TI	SN54S139	
54S15	TI	SN54S15	
54S151	National	DM54S151	
	Signetics	54S151	
	TI	SN54S151	
54S153	National	DM54S153	
	Signetics	54S153	
	TI	SN54S153	
54S157	National	DM54S157	
	Signetics	54S157	
	TI	SN54S157	
54S158	National	DM54S158	
	Signetics	54S158	
	TI	SN54S158	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
54S168	Signetics	54S168A	
54S174	National	DM54S174	
	Signetics	54S174	
	TI	SN54S174	
54S175	National	DM54S175	
	Signetics	54S175	
	TI	SN54S175	
54S20	National	DM54S20	
	Signetics	54S20	
	TI	SN54S20	
54S22	TI	SN54S22	
54S253	National	DM54S253	
	Signetics	54S253	
54S258	National	DM54S258	
	Signetics	54S258	
	TI	SN54S258	
54S260	Signetics	54S260	
	TI	SN54S260	
54S30	National	DM54S30	
	TI	SN54S30	
54S40	National	DM54S40	
	Signetics	54S40	
	TI	SN54S40	
54S51	Signetics	54S51	
	TI	SN54S51	
54S65	Signetics	54S65	
	TI	SN54S65	
54S74	Signetics	54S74	
	TI	SN54S74	
74H00	Rochester	RC3000	
		RC3100	
74H01	Rochester	RC3004	
74H04	Rochester	RC3008	
74H05	Rochester	RC3009	
74H08	Rochester	RC3001	
74H10	Rochester	RC3005	
74H11	Rochester	RC3006	
74H20	Rochester	RC3010	
74H21	Rochester	RC3011	
74H22	Rochester	RC3012	
74H30	Rochester	RC3016	
74H40	Rochester	RC3024	
74H50	Rochester	RC3020	
74H51	Rochester	RC3023	
74H52	Rochester	RC3031	
74H54	Rochester	RC3032	
		RC3033	
74H55	Rochester	RC3034	
74H60	Rochester	RC3030	
74H61	Rockwell	RC3019	
74H62	Rochester	RC3018	
74H71	Rochester	RC3054	
74H72	Rochester	RC3055	
74H73	Rochester	RC3063	
74H74	Rochester	RC3060	
74LS00	GoldStar	GD74LS00	
	Hitachi	HD74LS00	
	Motorola	SN74LS00	
	National	DM74LS00	
		74LS00	
	SGS-Thomson	T74LS00	
		74LS00	
	Signetics	74LS00	
	TI	SN74LS00	
74LS03	Hitachi	HD74LS03	
	Motorola	SN74LS03	
	National	DM74LS03	
		74LS03	
	SGS-Thomson	T74LS03A	
		74LS03	
	TI	SN74LS03	
74LS04	GoldStar	GD74LS04	
	Hitachi	HD74LS04	
	Motorola	SN74LS04	
	National	DM74LS04	
		74LS04	
	SGS-Thomson	T74LS04	
		74LS04	
	Signetics	74LS04	
	TI	SN74LS04	
74LS05	GoldStar	GD74LS05	
	Hitachi	HD74LS05	
	Motorola	SN74LS05	
	National	DM74LS05	
		74LS05	
	SGS-Thomson	T74LS05A	
		74LS05	
	Signetics	74LS05	
	TI	SN74LS05	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS08	GoldStar	GD74LS08	
	Hitachi	HD74LS08	
	Motorola	SN74LS08	
	National	DM74LS08	
		74LS08	
	SGS-Thomson	T74LS08	
		74LS08	
	Signetics	74LS08	
	TI	SN74LS08	
74LS09	Hitachi	HD74LS09	
	Motorola	SN74LS09	
	National	DM74LS09	
		74LS09	
	SGS-Thomson	T74LS09	
		74LS09	
	Signetics	74LS09	
	TI	SN74LS09	
74LS10	GoldStar	GD74LS10	
	Hitachi	HD74LS10	
	Motorola	SN74LS10	
	National	DM74LS10	
		74LS10	
	SGS-Thomson	T74LS10	
		74LS10	
	Signetics	74LS10	
	TI	SN74LS10	
74LS11	GoldStar	GD74LS11	
	Hitachi	HD74LS11	
	Motorola	SN74LS11	
	National	DM74LS11	
		74LS11	
	SGS-Thomson	T74LS11	
		74LS11	
	Signetics	74LS11	
	TI	SN74LS11	
74LS113	Hitachi	HD74LS113	
	Motorola	SN74LS113A	
	SGS-Thomson	T74LS113A	
	Signetics	74LS113	
	TI	SN74LS113A	
74LS114	Hitachi	HD74LS114	
	Motorola	SN74LS114A	
	SGS-Thomson	T74LS114A	
	TI	SN74LS114A	
74LS12	Hitachi	HD74LS12	
	Motorola	SN74LS12	
	National	DM74LS12	
		74LS12	
	SGS-Thomson	T74LS12	
		74LS12	
	TI	SN74LS12	
74LS152	Hitachi	HD74LS152	
	SGS-Thomson	T74LS152	
		74LS152	
74LS158	GoldStar	GD74LS158	
	Hitachi	HD74LS158	
	Motorola	SN74LS158	
	National	DM74LS158	
		74LS158	
	SGS-Thomson	T74LS158	
		74LS158	
	Signetics	74LS158	
	TI	SN74LS158	
74LS169	Motorola	SN74LS169	
	National	DM74LS169A	
		74LS169	
	SGS-Thomson	T74LS169	
		74LS169	
	Signetics	74LS169A	
	TI	SN74LS169B	
74LS19	TI	SN74LS19	
74LS194	GoldStar	GD74LS194A	
	Hitachi	HD74LS194A	
	Motorola	SN74LS194A	
	National	DM74LS194A	
	SGS-Thomson	T74LS194A	
		74LS194	
	Signetics	74LS194A	
	TI	SN74LS194A	
74LS20	Hitachi	HD74LS20	
	Motorola	SN74LS20	
	National	DM74LS20	
		74LS20	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Rochester Electronics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS20			(Cont'd)
	SGS-Thomson		
		T74LS20	
		74LS20	
	Signetics	74LS20	
	TI	SN74LS20	
74LS21	GoldStar	GD74LS21	
	Hitachi	HD74LS21	
	Motorola	SN74LS21	
	National	DM74LS21	
		74LS21	
	SGS-Thomson		
		T74LS21	
		74LS21	
	Signetics	74LS21	
	TI	SN74LS21	
74LS245	GoldStar	GD74LS245	
	Hitachi	HD74LS245	
	Motorola	SN74LS245	
	National	DM74LS245	
		74LS245	
	SGS-Thomson		
		T74LS245	
		74LS245	
	Signetics	74LS245	
	TI	SN74LS245	
74LS251	Hitachi	HD74LS251	
	Motorola	SN74LS251	
	National	DM74LS251	
		74LS251	
	SGS-Thomson		
		T74LS251	
		74LS251	
	Signetics	74LS251	
	TI	SN74LS251	
74LS253	Hitachi	HD74LS253	
	Motorola	SN74LS253	
	National	DM74LS253	
		74LS253	
	SGS-Thomson		
		T74LS253	
		74LS253	
	Signetics	74LS253	
	TI	SN74LS253	
74LS257	GoldStar	GD74LS257A	
	Hitachi	HD74LS257	
	Motorola	SN74LS257A	
	National	DM74LS257B	
		74LS257	
	SGS-Thomson		
		T74LS257A	
		74LS257	
	Signetics	74LS257A	
	TI	SN74LS257B	
74LS258	Hitachi	HD74LS258	
	Motorola	SN74LS258A	
	National	DM74LS258B	
		74LS258	
	SGS-Thomson		
		T74LS258A	
		74LS258	
	Signetics	74LS258A	
	TI	SN74LS258B	
74LS259	Hitachi	HD74LS259	
	Motorola	SN74LS259	
	National	DM74LS259	
		74LS259	
	SGS-Thomson		
		T74LS259	
		74LS259	
	Signetics	74LS259	
	TI	SN74LS259B	
74LS26	Hitachi	HD74LS26	
	Motorola	SN74LS26	
	National	DM74LS26	
		74LS26	
	SGS-Thomson		
		T74LS26A	
		74LS26	
	Signetics	74LS26	
	TI	SN74LS26	
74LS27	GoldStar	GD74LS27	
	Hitachi	HD74LS27	
	Motorola	SN74LS27	
	National	DM74LS27	
		74LS27	
	SGS-Thomson		
		T74LS27	
		74LS27	
	Signetics	74LS27	
	TI	SN74LS27	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS279	Hitachi	HD74LS279	
	Motorola	SN74LS279	
	National	DM74LS279	
		74LS279	
	SGS-Thomson		
		T74LS279	
		74LS279	
	TI	SN74LS279A	
74LS30	GoldStar	GD74LS30	
	Hitachi	HD74LS30	
	Motorola	SN74LS30	
	National	DM74LS30	
		74LS30	
	SGS-Thomson		
		T74LS30	
		74LS30	
	Signetics	74LS30	
	TI	SN74LS30	
74LS32	GoldStar	GD74LS32	
	Hitachi	HD74LS32	
	Motorola	SN74LS32	
	National	DM74LS32	
		74LS32	
	SGS-Thomson		
		T74LS32	
		74LS32	
	Signetics	74LS32	
	TI	SN74LS32	
74LS321	TI	SN74LS321	
74LS365	Hitachi	HD74LS365A	
	Motorola	SN74LS365A	
	National	DM74LS365A	
		74LS365	
	SGS-Thomson		
		T74LS365A	
		74LS365A	
	Signetics	74LS365A	
	TI	SN74LS365A	
74LS367	GoldStar	GD74LS367A	
	Hitachi	HD74LS367A	
	Motorola	SN74LS367A	
	National	DM74LS367A	
		74LS367	
	SGS-Thomson		
		T74LS367A	
		74LS367A	
	Signetics	74LS367A	
	TI	SN74LS367A	
74LS368	Hitachi	HD74LS368A	
	Motorola	SN74LS368A	
	National	DM74LS368A	
		74LS368	
	SGS-Thomson		
		T74LS368A	
		74LS368A	
	Signetics	74LS368A	
	TI	SN74LS368A	
74LS37	Hitachi	HD74LS37	
	Motorola	SN74LS37	
	National	DM74LS37	
		74LS37	
	SGS-Thomson		
		T74LS37	
		74LS37	
	Signetics	74LS37	
	TI	SN74LS37	
74LS38	Hitachi	HD74LS38	
	Motorola	SN74LS38	
	National	DM74LS38	
		74LS38	
	SGS-Thomson		
		T74LS38	
		74LS38	
	Signetics	74LS38	
	TI	SN74LS38	
74LS386	Hitachi	HD74LS386	
	Motorola	SN74LS386	
	National	74LS386	
74LS42	Hitachi	HD74LS42	
	Motorola	SN74LS42	
	National	DM74LS42	
		74LS42	
	SGS-Thomson		
		T74LS42	
		74LS42	
	Signetics	74LS42	
	TI	SN74LS42	
74LS51	Hitachi	HD74LS51	
	Motorola	SN74LS51	
	National	DM74LS51	
		74LS51	
	SGS-Thomson		
		T74LS51	
		74LS51	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74LS51			(Cont'd)
	Signetics	74LS51	
	TI	SN74LS51	
74LS55	Hitachi	HD74LS55	
	Motorola	SN74LS55	
	National	74LS55	
	SGS-Thomson		
		T74LS55	
		74LS55	
	TI	SN74LS55	
74LS623	Motorola	SN74LS623	
	Signetics	74LS623	
	TI	SN74LS623	
74LS670	GoldStar	GD74LS670	
	Motorola	SN74LS670	
	National	DM74LS670	
		74LS670	
	SGS-Thomson		
		T74LS670	
		74LS670	
	Signetics	74LS670	
	TI	SN74LS670	
74LS74	GoldStar	GD74LS74A	
	Hitachi	HD74LS74A	
	Motorola	SN74LS74A	
	National	DM74LS74	
		74LS74	
	SGS-Thomson		
		T74LS74A	
		74LS74	
	Signetics	74LS74A	
	TI	SN74LS74A	
74LS75	GoldStar	GD74LS75	
	Hitachi	HD74LS75	
	Motorola	SN74LS75	
	National	DM74LS75	
	Signetics	74LS75	
	TI	SN74LS75	
74LS83	Hitachi	HD74LS83A	
	Motorola	SN74LS83A	
	National	DM74LS83A	
		74LS83	
	SGS-Thomson		
		T74LS83A	
		74LS83A	
	Signetics	74LS83A	
	TI	SN74LS83A	
74LS85	Hitachi	HD74LS85	
	Motorola	SN74LS85	
	National	DM74LS85	
		74LS85	
	Signetics	74LS85	
	TI	SN74LS85	
74LS86	GoldStar	GD74LS86	
	Hitachi	HD74LS86	
	Motorola	SN74LS86	
	National	DM74LS86	
		74LS86	
	SGS-Thomson		
		T74LS86	
		74LS86	
	Signetics	74LS86	
	TI	SN74LS86A	
74LS90	Hitachi	HD74LS90	
	Motorola	SN74LS90	
	National	DM74LS90	
	SGS-Thomson		
		74LS90	
	Signetics	74LS90	
	TI	SN74LS90	
74LS93	GoldStar	GD74LS93	
	Hitachi	HD74LS93	
	Motorola	SN74LS93	
	National	DM74LS93	
	SGS-Thomson		
		74LS93	
	Signetics	74LS93	
	TI	SN74LS93	
74S03	National	DM74S03	
		74S03	
	Signetics	74S03	
	TI	SN74S03	
74S04	GoldStar	GD74S04	
	National	DM74S04	
		74S04	
	Signetics	74S04	
	TI	SN74S04	
74S05	National	DM74S05	
		74S05	
	Signetics	74S05	
	TI	SN74S05	
74S09	National	DM74S09	
	TI	SN74S09	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74S11	National	DM74S11	
		74S11	
	Signetics	74S11	
	TI	SN74S11	
74S112	GoldStar	GD74S112	
	National	DM74S112	
		74S112	
	Signetics	74S112	
	TI	SN74S112	
74S113	National	DM74S113	
	TI	SN74S113	
74S114	TI	SN74S114	
74S133	National	DM74S133	
		74S133	
	Signetics	74S133	
	TI	SN74S133	
74S134	Signetics	74S134	
	TI	SN74S134	
74S135	National	74S135	
	TI	SN74S135	
74S139	National	DM74S139	
		74S139	
	Signetics	74S139	
	TI	SN74S139	
74S151	National	DM74S151	
		74S151	
	Signetics	74S151	
	TI	SN74S151	
74S153	National	DM74S153	
		74S153	
	Signetics	74S153	
	TI	SN74S153	
74S157	National	DM74S157	
		74S157	
	Signetics	74S157	
	TI	SN74S157	
74S158	National	DM74S158	
		74S158	
	Signetics	74S158	
	TI	SN74S158	
74S174	GoldStar	GD74S174	
	National	DM74S174	
		74S174	
	Signetics	74S174	
	TI	SN74S174	
74S194	National	DM74S194	
		74S194	
	TI	SN74S194	
74S20	National	DM74S20	
		74S20	
	Signetics	74S20	
	TI	SN74S20	
74S257	National	DM74S257	
		74S257	
	Signetics	74S257	
	TI	SN74S257	
74S258	National	DM74S258	
		74S258	
	Signetics	74S258	
	TI	SN74S258	
74S260	Signetics	74S260	
	TI	SN74S260	
74S289	National	DM74S289	
74S30	National	DM74S30	
		74S30	
	TI	SN74S30	
74S64	National	DM74S64	
		74S64	
	Signetics	74S64	
	TI	SN74S64	
74S74	GoldStar	GD74S74	
	National	DM74S74	
		74S74	
	Signetics	74S74	
	TI	SN74S74	
74S86	National	DM74S86	
		74S86	
	Signetics	74S86	
	TI	SN74S86	
9341	Rochester	54181	
9342	Rochester	54182	

Rockwell International

R10C1	Micro-C	10C1	
R10D6	Micro-C	10D6	
R10G4	Micro-C	10G4	
R1012	Micro-C	1012	
R2816	Catalyst Semi	CAT28C16	
R65C02	CMD Micro	G65SC02	
R65C22	CMD Micro	G65SC22	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Rockwell International (Cont'd)			
R65C51	CMD Micro	G65SC51	
	Gould AMI	S65C51	
R65NC22	Micro-C	65NC22	
R6502	Micro-C	6502	
	UMC	UM6502	
R6512	Micro-C	6512	
R6522	Micro-C	6522	
R6545	Krueger	6845	
	Micro-C	6545	
R6551	Gould AMI	S6551	
R6765	Krueger	765	
R68000	Micro-C	68000	
R68561	Micro-C	68561	
10463	Micro-C	10463	
54H20	Rochester	RC3110	
6514	Krueger	21C14-150	
		21C14-200	
		21C14-450	
ROHM			
BA082	NJR	NJM082	
BA10324	NJR	NJM324	
BA10358	**NJR**	**NJM2904**	**(3594)**
BA1330	Samsung	KA2261	
BA1356	Samsung	KA2262	
BA1360	Samsung	KA2264	
BA13600	NJR	NJM13600	
BA14741	Panasonic	NJM4741	
BA15218	NJR	NJM4560	
BA15532	NJR	NJM5532	
BA15534	NJR	NJM5534	
BA328	Samsung	KA2221	
BA3304	Samsung	KA2225	
BA3308	Samsung	KA22241	
BA3312	Samsung	KA22242	
BA333	Samsung	KA2220	
BA335	Samsung	KA2231	
BA3416	Samsung	KA2228	
BA343	Samsung	KA2224	
		KA7226	
BA3502	Samsung	KA22131	
BA3812	Samsung	KA22235	
BA3822	Samsung	KA22234	
BA403	Samsung	KA2245	
BA404	Samsung	KA2244	
BA4110	Samsung	KA22441	
BA4220	Samsung	KA2243	
BA4228	Samsung	KA2248	
BA4260	Samsung	KA2247	
BA4402	Samsung	KA2249	
BA4558	**NJR**	**NJM4558**	**(3594)**
	Samsung	MC4558	
BA4560	NJR	NJM4560	
BA5102	Samsung	KA2983	
BA526	Samsung	KA2212	
BA527	Samsung	KA2201	
BA532	Samsung	KA2210	
		KA2211	
BA534	Samsung	KA2206	
BA5406	Samsung	KA22062	
BA546	Samsung	LM386	
BA6124	Samsung	KA2284	
BA6125	Samsung	KA2287	
BA6137	Samsung	KA2285	
BA6209	Samsung	KA8301	
BA6280	Samsung	KA9255	
BA6290	Samsung	KA9257	
BA6411	Samsung	KA8304	
BA656	Samsung	KA2286	
BA6924	NJR	NJM2902	
		NJM324	
BA71	**NJR**	**NJM4558**	**(3594)**
BA728	**NJR**	**NJM2904**	**(3594)**
BA7751	Samsung	KA8401	
BR28C16	EXEL	XL28C16	
BR2804	EXEL	XL2804	
BR2816	EXEL	XL2816	
	Samsung	KM28C16	
BR2864	EXEL	XL2864	
	Samsung	KM28C64	
BR2865	EXEL	XL2865	
	Samsung	KM28C65	
BR46C15	EXEL	XL46C15	
BR9021	EXEL	XL90C21	
BR93CS46	EXEL	XL93CS46	
BR93C46	EXEL	XL93C46	
		XL93LC46	

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Manufacturer Device	Replacement Source	Device	IC Master Page
BR93C46			(Cont'd)
	ICT	93C46	
	OKI	MSM16811	
	Samsung	KM93C46	
BR93C46P	ICT	93C46AP	
		93C46P	
BR93C56	EXEL	XL93C56	
	OKI	MSM16812	
BU2758	Samsung	KA8308	
BU8320	UMC	UM91270	
S-MOS Systems			
KM62256	Micro-C	S32KX8	
SLA6430	Micro-C	6430	
SPM27C256	Krueger	27C256-150	
		27C256-200	
		27C256-250	
SPM27C64	Krueger	27C64-200	
		27C64-250	
		27C64-300	
SRM20100	Inova	S128K8	
SRM201000	Toshiba	TC551001	
SRM2016	GoldStar	GM76C28	
	Harris	HM65162	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	Micro-C	S2KX8	
	UMC	UM6116	
SRM20256	GoldStar	GM76C256	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	Micro-C	S32KX8	
	Mosel	MS62256	
	Toshiba	TC55257	
	UMC	UM62256	
SRM2064	GoldStar	GM76C88	
	Harris	HM65642	
		HM8808	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
		6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
	Mosel	MS6264	
SRM2114	Krueger	21C14-150	
		21C14-200	
		21C14-450	
	UMC	UM6104	
SRM21256	Krueger	62256-025	
		62256-030	
		62256-035	
	Toshiba	TC55464	
SRM22256	Inova	S32K8	
SRM2256	Toshiba	TC55328	
SRM2264	Harris	HM65642	
		HM8808	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
		6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
	Micro-C	S8KX8	
	Toshiba	TC5563	
		TC5565	
	UMC	UM6264	
SRM2267	Harris	HM65262	
SRM2268	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
SRM2274	Toshiba	TC55416	
SRM2275	Toshiba	TC55417	
SRM2367	Harris	HM65262	
SRM6504	Harris	HM6504	
SRM6514	Harris	HM6514	
STC2580	UMC	UM91260	
		UM91261	
S7230	UMC	UM91230	
S7235	UMC	UM91230	
S7241	UMC	UM91271	
Samsung Semiconductor			
CPL16L8	Lattice	GAL16V8	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
CPL16R4	Lattice	GAL16V8	
CPL16R6	Lattice	GAL16V8	
CPL16R8	Lattice	GAL16V8	
CPL20L8	Lattice	GAL20V8	
CPL20R4	Lattice	GAL20V8	
CPL20R6	Lattice	GAL20V8	
CPL20R8	Lattice	GAL20V8	
KA2508	Allegro		
	Micro	UDN2508	
KA2580	Allegro		
	Micro	UDN2580	
KA2588	Allegro		
	Micro	UDN2588	
KA2919	Unitrode	PIC7520	
KA2923	Unitrode	PIC7530	
KA340	Unitrode	UC7812	
KA3524	National	LM3524	
KA431	Astec Semi	AS431	
	National	LM431	
KA78S40	National	LM78S40	
KF351	Harris	CA3140	
KMM36256	Vitelic	V104AJ36	
KMM36512	Vitelic	V104AJ236	
KMM581000	Motorola	MCM81000	
	Vitelic	V100AJ8	
KMM58256	Vitelic	V256J8	
KMM591000	Motorola	MCM91000	
	Vitelic	V100AJ9	
KMM59256	Vitelic	V256J9	
KM23C1000	UMC	UM23C1024	
KM23C2000	UMC	UM23C2001	
KM23C4000	UMC	UM23C4001	
KM23C512	UMC	UM23C512	
KM23128	UMC	UM23C128	
KM23256	UMC	UM23C256	
KM23257	UMC	UM23C256	
KM2365	UMC	UM23C64	
KM28C16	EXEL	XL28C16	
KM28C256	NEC	μPD28C256	
KM28C64	EXEL	XL28C64	
	Fujitsu	MBM28C64	
	NEC	μPD28C64	
KM28C65	Fujitsu	MBM28C65	
KM2816	Catalyst		
	Semi	CAT28C16	
	EXEL	XL2816	
	Micro-C	2816	
KM2817	Catalyst		
	Semi	CAT28C17	
KM2864	Catalyst		
	Semi	CAT28C64	
		CAT28C65	
	EXEL	XL2864	
KM2865	EXEL	XL2865	
	Micro-C	2865	
KM41C1000	Micro-C	511000	
	MicronTech	MT4C1024	
	Motorola	MCM511000	
KM41C1001	MicronTech	MT4C1025	
	Motorola	MCM511001	
KM41C1002	Motorola	MCM511002	
KM41C1600	MicronTech	MT4C10016	
KM41C400	MicronTech	MT4C1004	
KM41C4000	Motorola	MCM514100	
	NEC	μPD424100	
	Toshiba	TC514100	
KM41C4001	NEC	μPD424101	
	Toshiba	TC514101	
KM41C4002	MicronTech	MT4C1026	
	NEC	μPD424102	
	Toshiba	TC514102	
KM41256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	Micro-C	41256	
	MicronTech	MT1259	
	Vitelic	V53C256	
KM41464	MicronTech	MT4067	
	Vitelic	V53C464	
KM4164	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
	MicronTech	MT4264	
KM44C100	MicronTech	MT4C1001	
KM44C1000	Motorola	MCM514400	
	NEC	μPD424400	
	Toshiba	TC514400	
KM44C1600	MicronTech	MT4C40004	
KM44C256	Krueger	514256-100	
		514256-70	
		514256-80	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
KM44C256			(Cont'd)
	Micro-C	414256	
	MicronTech	MT4C4256	
	Motorola	MCM514256	
	Vitelic	V53C104	
KM44C258	MicronTech	MT4C4258	
	Motorola	MCM514258	
KM611001	NEC	μPD431001	
KM61257	Cypress	CY7V197	
	LogicDev	L7C197	
	MicronTech	MT5C2561	
KM6165	MicronTech	MT5C1608	
		MT5C6401	
	Toshiba	TC5561	
		TC5562	
KM62256	Cypress	CY7C198	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	Mosel	MS62256	
	Toshiba	TC55257	
KM6264	Cypress	CY7C185	
		CY7C186	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	Mosel	MS6264	
	Toshiba	TC5563	
		TC5565	
KM6264L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
KM641001	NEC	μPD431004	
KM64257	Cypress	CY7C194	
	LogicDev	L7C194	
	MicronTech	MT5C2564	
	Toshiba	TC55464	
KM6465	MicronTech	MT5C6404	
	Toshiba	TC55416	
KM658128	Toshiba	TC518128	
KM68100	Toshiba	TC551001	
KM68257	Inova	S32K8	
	LogicDev	L7C199	
	MicronTech	MT5C2568	
	Toshiba	TC55328	
KM6865	MicronTech	MT5C6408	
	Toshiba	TC5588	
KM6866	Toshiba	TC55B88	
KM75C01	AMD	AM7201	
	Cypress	CY7C420	
		CY7C421	
	IDT	IDT7201	
	LogicDev	L8C201	
	MicronTech	MT52C9005	
	Quality Semi	QS8201	
KM75C01AP-25			
	Samsung	AM7201-25PC	
KM75C02	AMD	AM7202	
	Cypress	CY7C424	
		CY7C425	
	IDT	IDT7202	
	LogicDev	L8C202	
	MicronTech	MT52C9010	
KM75C03	AMD	AM7203	
	Cypress	CY7C428	
		CY7C429	
	IDT	IDT7203	
	LogicDev	L8C203	
	MicronTech	MT52C9020	
	Mosel	7203	
KM75C101	MicronTech	MT52C9007	
	Mosel	7201	
KM75C102	Cypress	CY7C424	
		CY7C425	
	MicronTech	MT52C9012	
	Mosel	7202	
KM78C80	**MicronTech**	**MT56C0816**	**(3581)**
KM93C46	EXEL	XL93C46	
		XL93LC46	
	ICT	93C46	
		93C46AP	
		93C46P	
KM93C46G	ICT	93C46AS	
		93C46S	
KS272	Harris	CA5260	
KS274	**Harris**	**CA5470**	**(3508)**
KS53C80	**Newbridge**	**CA53C80**	**(3593)**
KS5805A	Gould AMI	S2560	
KS74AHCT00	**Ideal Semi**	**74AHCT00**	**(3532)**
KS74AHCT01	**Ideal Semi**	**74AHCT01**	**(3532)**
KS74AHCT02	**Ideal Semi**	**74AHCT02**	**(3532)**

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Samsung Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
KS74AHCT03	Ideal Semi	74AHCT03	(3532)
KS74AHCT04	Ideal Semi	74AHCT04	(3532)
KS74AHCT05	Ideal Semi	74AHCT05	(3532)
KS74AHCT08	Ideal Semi	74AHCT08	(3532)
KS74AHCT09	Ideal Semi	74AHCT09	(3532)
KS74AHCT10	Ideal Semi	74AHCT10	(3532)
KS74AHCT107	Ideal Semi	74AHCT107	(3532)
KS74AHCT109	Ideal Semi	74AHCT109	(3532)
KS74AHCT11	Ideal Semi	74AHCT11	(3532)
KS74AHCT112	Ideal Semi	74AHCT112	(3532)
KS74AHCT12	Ideal Semi	74AHCT12	(3532)
KS74AHCT121	Ideal Semi	74AHCT121	(3532)
KS74AHCT123	Ideal Semi	74AHCT123	(3532)
KS74AHCT138	Ideal Semi	74AHCT138	(3532)
KS74AHCT139	Ideal Semi	74AHCT139	(3532)
KS74AHCT14	Ideal Semi	74AHCT14	(3532)
KS74AHCT148	Ideal Semi	74AHCT148	(3532)
KS74AHCT155	Ideal Semi	74AHCT155	(3532)
KS74AHCT157	Ideal Semi	74AHCT157	(3532)
KS74AHCT158	Ideal Semi	74AHCT158	(3532)
KS74AHCT161	Ideal Semi	74AHCT161	(3532)
KS74AHCT163	Ideal Semi	74AHCT163	(3532)
KS74AHCT164	Ideal Semi	74AHCT164	(3532)
KS74AHCT165	Ideal Semi	74AHCT165	(3532)
KS74AHCT173	Ideal Semi	74AHCT173	(3532)
KS74AHCT174	Ideal Semi	74AHCT174	(3532)
KS74AHCT175	Ideal Semi	74AHCT175	(3532)
KS74AHCT191	Ideal Semi	74AHCT191	(3532)
KS74AHCT240	Ideal Semi	74AHCT240	(3532)
KS74AHCT241	Ideal Semi	74AHCT241	(3532)
KS74AHCT244	Ideal Semi	74AHCT244	(3532)
KS74AHCT245	Ideal Semi	74AHCT245	(3532)
KS74AHCT257	Ideal Semi	74AHCT257	(3532)
KS74AHCT258	Ideal Semi	74AHCT258	(3532)
KS74AHCT259	Ideal Semi	74AHCT259	(3532)
KS74AHCT266	Ideal Semi	74AHCT266	
KS74AHCT273	Ideal Semi	74AHCT273	(3532)
KS74AHCT299	Ideal Semi	74AHCT299	(3532)
KS74AHCT32	Ideal Semi	74AHCT32	(3532)
KS74AHCT366	Ideal Semi	74AHCT366	(3532)
KS74AHCT373	Ideal Semi	74AHCT373	(3533)
KS74AHCT374	Ideal Semi	74AHCT374	(3533)
KS74AHCT393	Ideal Semi	74AHCT393	
KS74AHCT399	Ideal Semi	74AHCT399	(3533)
KS74AHCT423	Ideal Semi	74AHCT423	(3533)
KS74AHCT51	Ideal Semi	74AHCT51	(3532)
KS74AHCT533	Ideal Semi	74AHCT533	(3533)
KS74AHCT534	Ideal Semi	74AHCT534	(3533)
KS74AHCT540	Ideal Semi	74AHCT540	(3533)
KS74AHCT541	Ideal Semi	74AHCT541	(3533)
KS74AHCT563	Ideal Semi	74AHCT563	(3533)
KS74AHCT564	Ideal Semi	74AHCT564	(3533)
KS74AHCT573	Ideal Semi	74AHCT573	(3533)
KS74AHCT574	Ideal Semi	74AHCT574	(3533)
KS74AHCT58	Ideal Semi	74AHCT58	(3532)
KS74AHCT590	Ideal Semi	74AHCT590	(3533)
KS74AHCT592	Ideal Semi	74AHCT592	(3533)
KS74AHCT593	Ideal Semi	74AHCT593	(3533)
KS74AHCT640	Ideal Semi	74AHCT640	(3533)
KS74AHCT643	Ideal Semi	74AHCT643	(3533)
KS74AHCT646	Ideal Semi	74AHCT646	(3533)
KS74AHCT648	Ideal Semi	74AHCT648	(3533)
KS74AHCT73	Ideal Semi	74AHCT73	(3532)
KS74AHCT74	Ideal Semi	74AHCT74	(3532)
KS74AHCT86	Ideal Semi	74AHCT86	(3532)
KS74HCTLS00	Ideal Semi	74HCTLS00	(3533)
KS74HCTLS01	Ideal Semi	74HCTLS01	(3533)
KS74HCTLS02	Ideal Semi	74HCTLS02	(3533)
KS74HCTLS03	Ideal Semi	74HCTLS03	(3533)
KS74HCTLS04	Ideal Semi	74HCTLS04	(3533)
KS74HCTLS05	Ideal Semi	74HCTLS05	(3533)
KS74HCTLS08	Ideal Semi	74HCTLS08	(3533)
KS74HCTLS09	Ideal Semi	74HCTLS09	(3533)
KS74HCTLS10	Ideal Semi	74HCTLS10	(3533)
KS74HCTLS107	Ideal Semi	74HCTLS107A	(3533)
	Samsung	KS74HCTLS107A	
KS74HCTLS107A	Ideal Semi	74HCTLS107A	(3533)
	Samsung	KS74HCTLS107	
KS74HCTLS109	Ideal Semi	74HCTLS109	(3533)
	Samsung	KS74HCTLS109A	
KS74HCTLS109A	Ideal Semi	74HCTLS109	(3533)
	Samsung	KS74HCTLS109	
KS74HCTLS11	Ideal Semi	74HCTLS11	(3533)
KS74HCTLS112	Ideal Semi	74HCTLS112A	(3534)
	Samsung	KS74HCTLS112A	
KS74HCTLS112A	Ideal Semi	74HCTLS112A	(3534)
	Samsung	KS74HCTLS112	
KS74HCTLS121	Ideal Semi	74HCTLS121	(3534)
KS74HCTLS123	Ideal Semi	74HCTLS123	(3534)
KS74HCTLS138	Ideal Semi	74HCTLS138	(3534)
KS74HCTLS139	Ideal Semi	74HCTLS139	(3534)
KS74HCTLS148	Ideal Semi	74HCTLS148	(3534)
KS74HCTLS155	Ideal Semi	74HCTLS155	(3534)
KS74HCTLS157	Ideal Semi	74HCTLS157	(3534)
KS74HCTLS158	Ideal Semi	74HCTLS158	(3534)
KS74HCTLS161	Ideal Semi	74HCTLS161A	(3534)
	Samsung	KS74HCTLS161A	
KS74HCTLS161A	Ideal Semi	74HCTLS161A	(3534)
	Samsung	KS74HCTLS161	
KS74HCTLS162	Samsung	KS74HCTLS162A	
KS74HCTLS162A	Samsung	KS74HCTLS162	
KS74HCTLS163	Ideal Semi	74HCTLS163A	(3534)
	Samsung	KS74HCTLS163A	
KS74HCTLS163A	Ideal Semi	74HCTLS163A	(3534)
	Samsung	KS74HCTLS163	
KS74HCTLS164	Ideal Semi	74HCTLS164	(3534)
KS74HCTLS165	Ideal Semi	74HCTLS165	(3534)
KS74HCTLS166	Ideal Semi	74HCTLS166	(3534)
KS74HCTLS173	Ideal Semi	74HCTLS173	(3534)
KS74HCTLS174	Ideal Semi	74HCTLS174	(3534)
KS74HCTLS175	Ideal Semi	74HCTLS175	(3534)
KS74HCTLS191	Ideal Semi	74HCTLS191	(3534)
KS74HCTLS193	Ideal Semi	74HCTLS193	(3534)
KS74HCTLS240	Ideal Semi	74HCTLS240	(3534)
KS74HCTLS244	Ideal Semi	74HCTLS244	(3534)
KS74HCTLS245	Ideal Semi	74HCTLS245	(3534)
KS74HCTLS257	Ideal Semi	74HCTLS257	(3534)
KS74HCTLS258	Ideal Semi	74HCTLS258	(3534)
KS74HCTLS259	Ideal Semi	74HCTLS259	(3534)
KS74HCTLS266	Ideal Semi	74HCTLS266	(3534)
KS74HCTLS273	Ideal Semi	74HCTLS273	(3534)
KS74HCTLS299	Ideal Semi	74HCTLS299	(3534)
KS74HCTLS32	Ideal Semi	74HCTLS32	(3533)
KS74HCTLS365	Ideal Semi	74HCTLS365A	
	Samsung	KS74HCTLS365A	
KS74HCTLS365A	Ideal Semi	74HCTLS365A	
	Samsung	KS74HCTLS365	
KS74HCTLS366	Ideal Semi	74HCTLS366A	(3534)
	Samsung	KS74HCTLS366A	
KS74HCTLS366A	Ideal Semi	74HCTLS366A	(3534)
	Samsung	KS74HCTLS366	
KS74HCTLS367	Ideal Semi	74HCTLS367A	(3534)
	Samsung	KS74HCTLS367A	
KS74HCTLS367A	Ideal Semi	74HCTLS367A	(3534)
	Samsung	KS74HCTLS367	
KS74HCTLS368	Ideal Semi	74HCTLS368A	(3534)
	Samsung	KS74HCTLS368A	
KS74HCTLS368A	Ideal Semi	74HCTLS368A	(3534)
	Samsung	KS74HCTLS368	
KS74HCTLS373	Ideal Semi	74HCTLS373	(3534)
KS74HCTLS374	Ideal Semi	74HCTLS374	(3534)
KS74HCTLS393	Ideal Semi	74HCTLS393	(3534)
KS74HCTLS399	Ideal Semi	74HCTLS399	(3534)
KS74HCTLS51	Ideal Semi	74HCTLS51	(3533)
KS74HCTLS533	Ideal Semi	74HCTLS533	(3534)
KS74HCTLS534	Ideal Semi	74HCTLS534	(3534)
KS74HCTLS540	Ideal Semi	74HCTLS540	(3534)
KS74HCTLS541	Ideal Semi	74HCTLS541	(3534)
KS74HCTLS563	Ideal Semi	74HCTLS563	(3534)
KS74HCTLS564	Ideal Semi	74HCTLS564	
KS74HCTLS573	Ideal Semi	74HCTLS573	(3534)
KS74HCTLS574	Ideal Semi	74HCTLS574	(3534)
KS74HCTLS58	Ideal Semi	74HCTLS58	(3533)
KS74HCTLS590	Ideal Semi	74HCTLS590	(3534)
KS74HCTLS592	Ideal Semi	74HCTLS592	(3534)
KS74HCTLS593	Ideal Semi	74HCTLS593	(3534)
KS74HCTLS640	Ideal Semi	74HCTLS640	(3534)
KS74HCTLS643	Ideal Semi	74HCTLS643	(3534)
KS74HCTLS646	Ideal Semi	74HCTLS646	(3534)
KS74HCTLS648	Ideal Semi	74HCTLS648	(3534)
KS74HCTLS73	Ideal Semi	74HCTLS73A	(3533)
	Samsung	KS74HCTLS73A	
KS74HCTLS73A	Ideal Semi	74HCTLS73A	(3533)
	Samsung	KS74HCTLS73	
KS74HCTLS74	Ideal Semi	74HCTLS74A	(3533)
	Samsung	KS74HCTLS74A	
KS74HCTLS74A	Ideal Semi	74HCTLS74A	(3533)
	Samsung	KS74HCTLS74	
KS74HCTLS76	Ideal Semi	74HCTLS76A	(3533)
	Samsung	KS74HCTLS76A	
KS74HCTLS76A	Ideal Semi	74HCTLS76A	(3533)
	Samsung	KS74HCTLS76	
KS74HCTLS78A	Ideal Semi	74HCTLS78A	(3533)
KS74HCTLS86	Ideal Semi	74HCTLS86	(3533)
KS82C37A	Newbridge	CA82C37A	(3593)
KS82C50	Newbridge	CA82C50A	
KS82C52	Newbridge	CA82C52	(3593)
KS82C54	Newbridge	CA82C54	(3593)

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Samsung Semiconductor (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
KS82C55	Micro-C	82C55	
KS82C55A	**Newbridge**	**CA82C55A**	**(3593)**
KS82C59A	**Newbridge**	**CA82C59A**	**(3593)**
KS82C84A	**Newbridge**	**CA82C84A**	**(3593)**
KS82C88	**Newbridge**	**CA82C88**	**(3593)**
KS85C30	Newbridge	CA85C30	
KT3170	GEC Plessey	MV8870	
LM239	Motorola	LM239	
LM258	Motorola	LM258	
LM2901	Motorola	LM2901	
LM2902	Motorola	LM2902	
LM2903	Motorola	LM2903	
LM2904	Motorola	LM2904	
LM293	Motorola	LM293	
LM301	Motorola	LM301	
LM311	Motorola	LM311	
LM317	Motorola	LM317	
	Unitrode	UC317	
LM324	Motorola	LM324	
	Signetics	LM324	
		LM324A	
LM3302	Motorola	MC3302	
LM358	Motorola	LM358	
LM393	Motorola	LM393	
LM723	Motorola	MC1723	
LM741	Motorola	MC1741	
	National	LM741	
	Signetics	µA741	
		µA741C	
MC1458	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
	Signetics	MC1458	
MC3361	Signetics	MC3361	
MC78L05	National	LM78L05	
	TI	µA78L05	
MC78L08	TI	µA78L08	
MC78L12	National	LM78L12	
	TI	µA78L12	
MC78L15	National	LM78L15	
	TI	µA78L15	
MC78L62	National	LM78L62	
MC78M05	National	LM78M05	
	TI	µA78M05	
MC78M06	National	LM78M06	
	TI	µA78M06	
MC78M08	National	LM78M08	
	TI	µA78M08	
MC78M10	TI	µA78M10	
MC78M12	National	LM78M12	
	TI	µA78M12	
MC78M15	National	LM78M15	
	TI	µA78M15	
MC78M20	TI	µA78M20	
MC78M24	National	LM78M24	
	TI	µA78M24	
MC7805	National	LM7805	
	TI	µA7805	
MC7806	National	LM7806	
	TI	µA7806	
MC7808	National	LM7808	
	TI	µA7808	
MC7810	TI	µA7810	
MC7812	National	LM7812	
	TI	µA7812	
MC7815	National	LM7815	
	TI	µA7815	
MC7818	National	LM7818	
	TI	µA7818	
MC7824	National	LM7824	
	TI	µA7824	
MC79L05	National	LM79L05	
	TI	MC79L05	
MC79L12	National	LM79L12	
	TI	MC79L12	
MC79L15	National	LM79L15	
	TI	MC79L15	
MC79M05	National	LM79M05	
	TI	µA79M05	
MC79M06	TI	µA79M06	
MC79M08	National	LM79M08	
	TI	µA79M08	
MC79M12	National	LM79M12	
	TI	µA79M12	
MC79M15	National	LM79M15	
	TI	µA79M15	
MC7905	National	LM7905	
	TI	µA7905	
MC7906	TI	µA7906	
MC7908	National	LM7908	
	TI	µA7908	
MC7912	National	LM7912	
	TI	µA7912	
MC7915	National	LM7915	
	TI	µA7915	
MC7918	TI	µA7918	
MK5089	GEC Plessey	MV5089	
MN41464	Krueger	41464-100	
		41464-120	
		41464-150	
NE556	Signetics	NE556	
NE558	Signetics	NE558	
75C02	Quality Semi	QS8202	

Sanyo

Manufacturer Device	Replacement Source	Device	IC Master Page
LA1135	Samsung	KA22461	
LA1140	Samsung	KA22441	
LA1150	Samsung	KA2245	
LA1160	Allegro Micro	ULN2243	
LA1180	Samsung	KA2249	
LA1185	Samsung	KA22495	
LA1260	Samsung	KA2247	
LA1270	Samsung	KA2248	
LA1357	Samsung	KA2911	
LA1365	Samsung	KA2101	
LA1385	Samsung	KA2130	
LA2010	Samsung	KA2231	
LA2110	Samsung	KA2272	
LA3045	Allegro Micro	ULS2045	
LA3046	Allegro Micro	ULN2046	
LA3086	Allegro Micro	ULN2086	
LA3160	Samsung	KA1222	
		KA22211	
LA3161	Samsung	KA2221	
LA3210	Samsung	KA2220	
LA3220	Samsung	KA2224	
LA3225	Samsung	KA22241	
		KA22242	
LA3226	Samsung	KA22241	
		KA22242	
LA3230	Samsung	KA2225	
LA3330	Samsung	KA2264	
LA3361	Samsung	KA2261	
LA3370	Samsung	KA2262	
LA3375	Samsung	KA2266	
LA3410	Samsung	KA2265	
LA3600	Samsung	KA2223	
LA3610	Samsung	KA22231	
LA4140	Samsung	KA2212	
LA4145	Samsung	KA2201	
LA4160	Samsung	KA2213	
		KA22130	
LA4182	Samsung	KA2206	
LA4183	Samsung	KA2206	
LA440	Samsung	KA2211	
LA4445	Samsung	KA2210	
LA4530	Samsung	KA2209	
LA4560	Samsung	KA22131	
LA6082	NJR	NJM082	
LA6324	NJR	NJM2902	
		NJM324	
LA6339	NJR	NJM2901	
LA6393	NJR	NJM2903	
LA6458	**NJR**	**NJM4558**	**(3594)**
LA6462	NJR	NJM2043	
LA6538	**NJR**	**NJM2904**	**(3594)**
LA7311	Samsung	KA8107	
LA7380	Samsung	KA8111	
LA7507	Samsung	KA2912	
LA7520	Samsung	KA2919	
	Unitrode	PIC7520	
LA7530	Samsung	KA2923	
	Unitrode	PIC7530	
LA7535	Samsung	KA2922	
LA7620	Waferscale	WS57C64	
LA7625	Samsung	KA2155	
LA7626	Samsung	KA2156	
LA7655	Samsung	KA2159	
LA7830	Samsung	KA2131	
LA7851	Samsung	KA2138	
LB1231	Allegro Micro	ULN2001	
LB1232	Allegro Micro	ULN2002	
LB1233	Allegro Micro	ULN2003	

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Manufacturer Device	Replacement Source	Device	IC Master Page
LB1234	Allegro Micro	ULN2004	
LB1403	Samsung	KA2284	
LB1413	Samsung	KA2287	
LB1423	Samsung	KA2285	
LB1433	Samsung	KA2286	
LC3364L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
LC3517	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
LC36256	Inova	S32K8	
LC4001B	Fujitsu	MB4001P	
		MB4001PF	
LC652001	Samsung	KS56C460	
LC7151	Samsung	KS8800	
LC7350	UMC	UM9151	
LC7360	Samsung	KS58004	
		KS58005	
		KS58006	
		KS58007	
	Sharp	UM91210	
LC7365	UMC	UM95088	
LC7366	UMC	UM95089	
LC7517	Samsung	KA2230	
LC7860	Samsung	KS5990	
LC7881	Samsung	KDA0316	
LC7930	Samsung	KS0061	
LM33256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
LM3364	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
TA7673	Samsung	KA2981	

Saratoga Semiconductor

Manufacturer Device	Replacement Source	Device	IC Master Page
SSL4180	LogicDev	L7C180	
	Motorola	MCM4180	
SSL4181	LogicDev	L7C181	
SSM2148	**Krueger**	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
SSM2149	**Krueger**	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**
SSM2168	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
SSM6116	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	LogicDev	L6116	
SSM6167	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	LogicDev	L7C167	
SSM6168	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
SSM6170	LogicDev	L7C170	
SSM6171	LogicDev	L7C171	
SSM6172	LogicDev	L7C172	
SSM7161	LogicDev	L7C161	
SSM7162	LogicDev	L7C162	
SSM7164	Krueger	6264-025	
		6264-035	
		6264-045	
	LogicDev	L7C185	
	Toshiba	TC55B88	
		TC5588	
SSM7166	Krueger	6289-25	
		6289-35	
		6289-45	
	LogicDev	L7C166	
	Toshiba	TC55B417	
SSM7187	LogicDev	L7C187	
SSM7188	LogicDev	L7C164	
	Toshiba	TC55416	
SSM7193	Motorola	MCM6293	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SSM7194	Motorola	MCM6294	
SSM7195	Motorola	MCM6295	
SSM7198	LogicDev	L7C165	
	Toshiba	TC55417	

SEEQ Technology

Manufacturer Device	Replacement Source	Device	IC Master Page
DE28C64	EXEL	XL28C64	
DE2816	EXEL	XL2816	
DE2864	EXEL	XL2865	
DE52B13	EXEL	XL28C16	
DE52B33	EXEL	XL2864	
DM27C256	Microchip	27C256	
DM27C256-20MP			
	TI	SMJ27C256-20JM	
DM27C256-25MP			
	TI	SMJ27C256-25JM	
DM27C256-30MP			
	TI	SMJ27C256-30JM	
DM27128	Microchip	27C128	
DM27128-20MP			
	TI	SMJ27C128-20JM	
DM27128-25MP			
	TI	SMJ27C128-25JM	
DM27256-20MP			
	TI	SMJ27C256-20JM	
DM27256-25MP			
	TI	SMJ27C256-25JM	
DM27641	Microchip	27C64	
DM28C04	Microchip	28C04	
DM28C64	EXEL	XL28C64	
DM28C641	Microchip	28C64	
DM2864	EXEL	XL2865	
DM52B13	EXEL	XL28C16	
DQ27C256	Krueger	27C256-150	
		27C256-200	
		27C256-250	
DQ27128	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
	Micro-C	27128	
DQ2764	**Krueger**	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
	Micro-C	2764	
DQ28C256	Micro-C	28C256	
	Samsung	KM28C256	
DQ28C64	EXEL	XL28C64	
	Samsung	KM28C64	
DQ28C65	Samsung	KM28C65	
DQ2816	EXEL	XL2816	
	Micro-C	2816	
	Samsung	KM28C16	
DQ2817	Micro-C	2817	
	Samsung	KM28C17	
DQ2864	EXEL	XL2865	
	Samsung	KM28C65	
DQ5133	**Krueger**	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
DQ5143	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
DQ52B13	EXEL	XL28C16	
DQ52B33	EXEL	XL2864	
DQ5516	Samsung	KM28C16	
DQ5517	Samsung	KM28C17	
DQ8023	Crystal	CS8023	
M28C010	Dense-Pac	DPE51288	
NQ28C64	EXEL	XL28C64	
NQ2864	EXEL	XL2865	
NQ8005	Crystal	CS8005	
PQ28C64	EXEL	XL28C64	
PQ2804	EXEL	XL2804	
PQ2816	EXEL	XL2816	
PQ2864	EXEL	XL2865	
PQ52B13	EXEL	XL28C16	
PQ52B33	EXEL	XL2864	
PQ83C92	Crystal	CS83C92	
27C256	NEC	µPD27C256	
	Waferscale	WS57C256	
27256	Waferscale	WS57C256	
2764	Waferscale	WS57C64	
28C256	NEC	µPD28C256	
28C64	Fujitsu	MBM28C64	
	NEC	µPD28C64	
	OKI	MSM28C64	
28C65	Fujitsu	MBM28C65	
2804	NEC	µPD28C04	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
SEEQ Technology (Cont'd)			
2816	Catalyst		
	Semi	CAT28C16	
	OKI	MSM28C16	
2817	Catalyst		
	Semi	CAT28C17	
2864	Catalyst		
	Semi	CAT28C64	
	Fujitsu	MBM28C64	
2865	Catalyst		
	Semi	CAT28C65	
36C32	Waferscale	WS57C43	
36S16	Waferscale	WS57C291	
39C16	Waferscale	WS57C191	
48C1024	Toshiba	TC58F1000	
Seiko Instruments			
SED1180	Samsung	KS0102	
SED1181	Samsung	KS0102	
SED1190	Samsung	KS0101	
SED1191	Samsung	KS0101	
SED1210	Samsung	KS0062	
SED1278	Samsung	KS0062	
SED1341	Samsung	KS0082	
SED5600	Samsung	KS5064	
SVM7860	Samsung	KS5319	
SVM7910	Samsung	KS5318	
SVM7920	Samsung	KS5313	
SVM7952	Samsung	KS5310	
S7230	Samsung	KS58000	
		KS58001	
		KS58002	
		KS58003	
S7235	Samsung	KS58004	
		KS58005	
		KS58006	
		KS58007	
		KS5820	
S7239	Samsung	KS5819	
S7241	Samsung	KS58528	
		KS58529	
		KS58530	
		KS58531	
		KS58532	
		KS58533	
		KS58534	
		KS58535	
		KS58536	
		KS58537	
		KS58538	
		KS58539	
SemTech			
LLM150	Unitrode	UC150	
LLM317	Unitrode	UC317	
SGS-THOMSON			
µA741	Motorola	MC1741	
	National	LM741	
µA748	National	LM748	
µA776	Motorola	MC1776	
µA78M08	National	LM78M08	
µA7805	National	LM7805	
	TI	µA7805	
µA7806	Motorola	MC7808	
	National	LM7806	
	TI	µA7806	
µA7812	National	LM140	
		LM7812	
µA7815	National	LM140	
		LM7815	
µA7905	Motorola	MC7905	
	National	LM120	
		LM7905	
	TI	µA7905	
µA7912	Motorola	MC7912	
	TI	µA7912	
µA7915	Motorola	MC7915	
	National	LM120	
		LM7912	
	TI	µA7915	
CA3046	GEC Plessey	SL3046	
EFB7189	GEC Plessey	MV5087	
EF68B09	Micro-C	68B09	
EF6800	Krueger	6800	
EF6809	Krueger	6809	
EF6809E	Krueger	6809E	
EF7910	AMD	AM7910	
EF8408	GEC Plessey	MV95308	
ETC2114	Krueger	21C14-150	
		21C14-200	
		21C14-450	
ETC2732	Micro-C	2732	
ETC5040	Samsung	KT3040	
ETC5054	Samsung	KT8554	
ETC5057	Samsung	KT8557	
ETC5064	Samsung	KT8564	
ETC5067	Samsung	KT8567	
ET2114	**Krueger**	**2114-150**	**(3548)**
		2114-200	**(3548)**
		2114-450	**(3548)**
ET2147	**Krueger**	**2147-35**	**(3548)**
		2147-45	**(3548)**
		2147-55	**(3548)**
		2147-70	**(3548)**
ET2148	**Krueger**	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
ET2716	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
ET2732	Micro-C	2732	
GAL16V8	AMD	PALCE16V8	
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
	Samsung	CPL16V8	
GAL16Z8	Lattice	ISPGAL16Z8	
GAL20V8	AMD	PALCE20V8	
	ICT	PEEL20CG10	
	Lattice	GAL20V8	
	Samsung	CPL20V8	
GAL39V18	Lattice	GAL6001	
GA1000D	Gould AMI	GA1000D	
GA2000D	Gould AMI	GA2000D	
GA3000D	Gould AMI	GA3000D	
GA4000D	Gould AMI	GA4000D	
G176	ATMEL	AT76C176	
HCC4016	Unitrode	PIC7516	
HCC4066	Unitrode	PIC7516	
HCF4016	Unitrode	PIC7516	
HCF4066	Unitrode	PIC7516	
IMSG171	Micro-C	171	
	UMC	UM70C171	
IMSG176	Micro-C	176	
IMS1203	Cypress	CY7C147	
	Performance	P4C147	
IMS1223	Krueger	21C14-150	
		21C14-200	
		21C14-450	
	Performance	P4C148	
IMS1400	AMD	AM2167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	LogicDev	L7C167	
	Micro-C	S16KX1	
IMS1403	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	LogicDev	L7C167	
IMS1420	AMD	AM2168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
	Micro-C	S4KX4	
	Performance	P4C168	
IMS1421	AMD	AM2169	
	LogicDev	L7C168	
	Performance	P4C169	
IMS1423	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
	Micro-C	S4KX4	
IMS1433	LogicDev	L6116	
	Performance	P4C116	
IMS1600	Krueger	6287-35	
		6287-45	
		6287-55	
	LogicDev	L7C187	
	Micro-C	S64KX1	
	NEC	µPD4361	
	Performance	P4C187	
IMS1600			(Cont'd)
	Toshiba	TC5561	
		TC5562	
IMS1601	LogicDev	L7C187	
	Performance	P4C187	
IMS1605	Toshiba	TC5561	
		TC5562	
IMS1620	**Krueger**	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	LogicDev	L7C164	
	NEC	µPD4362	
	Performance	P4C188	
	Toshiba	TC55416	
IMS1624	Krueger	6289-25	
		6289-35	
		6289-45	
	LogicDev	L7C166	
	Performance	P4C198	
	Toshiba	TC55417	
IMS1625	Toshiba	TC55416	
IMS1629	Toshiba	TC55417	
IMS1630	LogicDev	L7C185	
	NEC	µPD4364	
	Performance	P4C164	
	Toshiba	TC5565	
		TC5588	
IMS1630L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
IMS1630P-70	Krueger	6264-070	
IMS1635	Toshiba	TC5588	
IMS1695	Toshiba	TC5589	
IMS171	Micro-C	171	
IMS1800	LogicDev	L7C197	
	Performance	P4C1257	
IMS1820	LogicDev	L7C194	
	NEC	µPD43254	
	Performance	P4C1258	
	Toshiba	TC55464	
IMS1824	Toshiba	TC55465	
IMS1830	LogicDev	L7C199	
	NEC	µPD43256	
	Performance	P4C1256	
IMS1835	Toshiba	TC55328	
IMS2600	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
IMS2620	Krueger	41416-100	
		41416-120	
		41416-150	
	Micro-C	41416	
JBP38S165	Waferscale	WS57C191	
		WS57C291	
LF198	National	LF198	
LF298	National	LF298	
LF351	Motorola	MC34001	
LF353	Motorola	MC34002	
LF398	National	LF398	
LM101	Motorola	LM101	
LM105	National	LM105	
LM109	National	LM109	
LM111	Motorola	LM111	
LM117	National	LF117	
		LM117	
LM118	Motorola	MC1741	
LM123	National	LF123	
	SiliconG	SG123	
LM124	Motorola	LM124	
LM124J7B/C	TI	LM124JB	
LM134	National	LM134	
LM135	National	LM135	
LM137	National	LM137	
LM138	National	LM138	
LM139AJ7B/C			
	TI	LM139AJB	
LM1397J7B/C			
	TI	LM139JB	
LM148J7B/C	TI	LM148JB	
LM1558HB/C	TI	MC1558LB	
LM1558J7B/C			
	TI	MC1558JGB	
LM158	Motorola	LM158	
	Signetics	SE532	
LM158J7B/C	TI	LM158JGB	
LM193	Motorola	LM193	
LM201	Motorola	LM201	
LM208	Motorola	MC78L08	
LM211	Motorola	LM211	
LM217	SiliconG	SG217	
	Unitrode	UC217	
LM218	Motorola	MC1741	
LM223	SiliconG	SG223	
LM224	Motorola	LM224	
	Signetics	LM224	
		SA354	
LM234	National	LM234	
LM235	National	LM235	
LM236	GEC Plessey	REF25	
LM239	Motorola	LM239	
LM258	Motorola	LM258	
	Signetics	LM258	
		SA532	
LM2901	Motorola	LM2901	
LM2902	Motorola	LM2902	
LM2903	Motorola	LM2903	
LM2904	Motorola	LM2904	
LM293	Motorola	LM293	
LM2930	National	LM2930	
LM2931	National	LM2931	
LM2935	National	LM2935	
LM301	Motorola	LM301	
LM3045	Motorola	MC3446	
LM3046	GEC Plessey	SL3046	
	Motorola	MC3446	
LM305	National	LM305	
LM309	National	LM309	
LM311	Motorola	LM311	
LM317	Motorola	LM317	
	National	LM317	
	SiliconG	SG317	
	Unitrode	UC317	
LM318	Motorola	MC1741	
LM319	Signetics	LM319	
LM323	National	LM323	
	SiliconG	SG323	
LM324	Motorola	LM324	
	Signetics	LM324	
		LM324A	
	SiliconG	SG324	
LM334	National	LM334	
LM335	National	LM335	
LM336	GEC Plessey	REF25	
LM337	Motorola	LM337	
	National	LM337	
	Unitrode	UC337	
LM338	National	LM338	
LM339	Motorola	LM339	
	Signetics	LM339	
LM358	Motorola	LM358	
	Signetics	LM358	
		NE532	
LM393	Motorola	LM393	
	Signetics	LM393	
		LM393A	
LM555	Motorola	MC1455	
LM556	Motorola	MC3456	
LM723	Motorola	MC1723	
	Signetics	µA723	
	SiliconG	SG723	
LM741	Motorola	MC1741	
	Signetics	µA741	
		µA741C	
	SiliconG	SG741	
LM748	Motorola	MC1748	
	National	LM748	
LM7805	National	LM140	
LS101	SiliconG	SG101	
LS1240	Samsung	KA2418	
LS141	AnalogSys	MA332	
		MA333	
		MA362	
LS148	AnalogSys	MA332	
		MA333	
		MA362	
LS156	Samsung	KA8500	
LS204	AnalogSys	MA336	
		MA372	
	Harris	HA5102	
	SiliconG	SG204	
LS256	Samsung	KA8501	
LS285	Samsung	KA2412	
LS301	AnalogSys	MA332	
		MA333	
		MA362	
LS307	AnalogSys	MA332	
		MA333	
		MA362	
LS3240	Samsung	KA2418	
LS356	Samsung	KA8502	
LS404	AnalogSys	MA374	
	Harris	HA5104	
LS776	Harris	CA3440	
L123	National	LM723	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
SGS-THOMSON		**(Cont'd)**	
L144	Motorola	LM324	
L165	Allegro		
	Micro	ULN3751	
	Cherry Semi	CS365	
	SiliconG	SG3173	
L201	Allegro		
	Micro	ULN2001	
	Motorola	MC1411	
	SiliconG	SG2021	
L202	Allegro		
	Micro	ULN2002	
	Motorola	MC1412	
	SiliconG	SG2022	
L203	Allegro		
	Micro	ULN2003	
	Motorola	MC1413	
	SiliconG	SG2023	
L204	Allegro		
	Micro	ULN2004	
L272	Allegro		
	Micro	ULN3755	
	SiliconG	SG2024	
L2722	SiliconG	SG3272	
L2726	SiliconG	SG3272	
L293	Allegro		
	Micro	UDN2993	
	National	LM18293	
L293D	Cherry Semi	CS293D	
L295	Allegro		
	Micro	UDN2962	
	LinearTech	L295	
L296	Unitrode	L296	
L298	Allegro		
	Micro	UDN2998	
	Cherry Semi	CS298	
L3000	GEC Plessey	SL7950	
		SL9753	
L3030	GEC Plessey	SL7950	
		SL9753	
L4940	National	LM2940	
L4941	National	LM2940	
L4960	National	LM2579	
L4962	National	LM2579	
L583	Motorola	MC3484	
L601	Allegro		
	Micro	ULN2821	
	SGS-Thomson		
		SG2821	
L602	Allegro		
	Micro	ULN2822	
	SiliconG	SG2822	
L603	Allegro		
	Micro	ULN2823	
	SiliconG	SG2823	
L604	Allegro		
	Micro	ULN2824	
	SiliconG	SG2824	
L6220	Allegro		
	Micro	UDN2544	
L6221	Allegro		
	Micro	UDN2540	
L78M05	National	LM78M05	
	TI	μA78M05	
L78M06	National	LM78M06	
	TI	μA78M06	
L78M12	National	LM78M12	
	TI	μA78M12	
L78M15	National	LM78M15	
	TI	μA78M15	
L78M20	TI	μA78M20	
L78M24	TI	μA78M24	
L78S05	National	LM323	
	SemTech	LAS1605	
L78S12	SemTech	LAS1612	
L78S15	SemTech	LAS1615	
L7805	National	LM7805	
	SiliconG	SG7805	
	TI	μA7805	
L7806	National	LM7806	
	SiliconG	SG7806	
	TI	μA7806	
L7808	National	LM7808	
	SiliconG	SG7808	
	TI	μA7808	
L7812	National	LM7812	
	SiliconG	SG7812	
	TI	μA7812	
L7815	National	LM7815	
	SiliconG	SG7815	
	TI	μA7815	
L7818	National	LM7818	
	TI	μA7818	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
L7820	National	LM7820	
	SiliconG	SG7820	
L7824	National	LM7824	
	SiliconG	SG7824	
	TI	μA7824	
L7905	SiliconG	SG7905	
	TI	μA7905	
L7908	SiliconG	SG7908	
	TI	μA7908	
L7912	National	LM7912	
	SiliconG	SG7912	
	TI	μA7912	
L7915	National	LM7915	
	SiliconG	SG7915	
	TI	μA7915	
L7918	SiliconG	SG7918	
	TI	μA7918	
L7920	SiliconG	SG7920	
L7924	TI	μA7924	
MC1458	Signetics	MC1458	
MC1488	Signetics	MC1488	
MC1489	Signetics	MC1489	
MKDART	Krueger	Z80DART	
MK2500	Hughes	H1831	
		H1832	
MK2600	Hughes	H1831	
		H1832	
MK2716	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
	Micro-C	2716	
MK2764	**Krueger**	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
MK36000	Hughes	H23C64	
		H23C65	
MK37000	Hughes	H23C64	
		H23C65	
MK386	Hughes	H1852	
MK3880	**Krueger**	**Z80CPU**	**(3548)**
	Micro-C	3880	
MK3881	Krueger	Z80PIO	
	Micro-C	3881	
MK3882	Krueger	Z80CTC	
	Micro-C	3882	
MK3883	Krueger	Z80DMA	
	Micro-C	3883	
MK3884	Micro-C	3884	
MK3885	Krueger	Z80SIO/1	
MK3887	Krueger	Z80SIO/0	
		Z80SIO/2	
MK41C68	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
MK41H65	AT&T	ATT7C185	
MK41H66	IDT	IDT6167	
MK41H67	AT&T	ATT7C167	
	Cypress	CY7C167	
	IDT	IDT6167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
MK41H68	AT&T	ATT7C168	
	Cypress	CY7C168	
	IDT	IDT6168	
MK41H69	Cypress	CY7C169	
	IDT	IDT6168	
MK41H78	IDT	IDT61970	
MK41H79	IDT	IDT61970	
MK41H80	AT&T	ATT7C180	
	IDT	IDT6178	
	LogicDev	L7C180	
	Motorola	MCM4180	
MK41H87	AT&T	ATT7C187	
	IDT	IDT7187	
MK41L67	Cypress	CY7C167	
MK4116	Krueger	4116-120	
		4116-150	
		4116-200	
MK4118	Micro-C	4118	
MK4501	AMD	AM7201	
	IDT	IDT7201	
	Micro-C	4501	
	MicronTech	MT52C9005	
	Mosel	7201	
MK4503	IDT	IDT7203	
	MicronTech	MT52C9020	
MK4516	Krueger	4116SV	

Manufacturer Device	Replacement Source	Device	IC Master Page
MK4564	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
MK48C02	Krueger	48C02	
MK48H64	Toshiba	TC5563	
		TC5565	
MK48H65	IDT	IDT7164	
	Mosel	MS6264	
MK48H74	Mosel	MS6264	
MK48S80	AT&T	ATT7C173	
		ATT7C174	
MK48T02	Mosel	MS6516	
MK48T85	Benchmarq	BQ3285	
MK48T87	Benchmarq	BQ3287	
MK48Z02	Micro-C	48Z02	
MK48Z06	Toshiba	TC5565	
MK48Z08	Benchmarq	BQ4010	
	Micro-C	48Z08	
MK48Z12	Micro-C	48Z12	
MK48Z18	Benchmarq	BQ4010	
MK48Z30	NEC	μPD43256	
	Toshiba	TC55257	
MK4801	Krueger	4801	
MK4802	AMD	AM9122	
	Krueger	**2128-100**	**(3548)**
		2128-120	**(3548)**
MK48128	Toshiba	TC551001	
MK4832	Toshiba	TC55257	
MK5087	Samsung	KS5809	
		KS58528	
		KS58529	
		KS58530	
		KS58531	
		KS58532	
		KS58533	
		KS58534	
		KS58535	
		KS58536	
		KS58537	
		KS58538	
		KS58539	
	UMC	UM95087	
MK5089	Samsung	KS5808	
	UMC	UM95089	
MK5092	UMC	UM95088	
MK5094	UMC	UM95088	
MK50981	Samsung	KS58C05	
		KS5851	
	UMC	UM9151	
MK50982	Samsung	KS58D05	
		KS5852	
	UMC	UM9151	
MK50991	Samsung	KS58E05	
		KS5853	
MK50992	Gould AMI	S2560	
	Samsung	KS58E05	
		KS5805	
		KS5853	
	UMC	UM9151	
MK50993	Samsung	KS5805	
	UMC	UM9151	
MK5173	UMC	UM91611	
MK5175	UMC	UM91260	
		UM91261	
		UM91611	
MK5370	Samsung	KS58000	
		KS58001	
		KS58002	
		KS58003	
		KS5819	
MK5375	Samsung	KS5822	
		KS58500	
MK5376	Samsung	KS5822	
		KS58500	
MK5380	Samsung	KS5810	
	UMC	UM91260	
		UM91261	
		UM95088	
MK6116	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
MK6800	Krueger	6800	
MK68000	Micro-C	68000	
MK68211	Krueger	68211	
MK68590	AMD	AM7990	
MK68592	AMD	AM7992	
	Krueger	68592	
MK7990	AMD	AM7990	
MK7992	AMD	AM7992	
MS5087	GEC Plessey	MV5087	
MS5089	GEC Plessey	MV5089	
M093	Samsung	KT8593	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M2532	Micro-C	2532	
M2532F1	**Krueger**	**2532-350**	**(3548)**
		2532-450	**(3548)**
M2560	Gould AMI	S2560	
M27C1001	NEC	μPD27C1001	
M27C1024	Krueger	27C210	
	NEC	μPD27C1024	
M27C256	Krueger	27C256-150	
		27C256-200	
		27C256-250	
M27128	AMD	AM27C128	
	Krueger	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
M2716	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
	Micro-C	2716	
M27256	**Krueger**	**27256-200**	**(3548)**
		27256-250	**(3548)**
		27256-300	**(3548)**
M2732	Micro-C	2732	
M2732A	Krueger	2732A-250	
		2732A-300	
		2732A-350	
		2732A-450	
M27512	**Krueger**	**27512-200**	**(3548)**
		27512-250	**(3548)**
M2764	**Krueger**	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
	Micro-C	2764	
	SEEQ	2764	
M2764A	Krueger	2764A-200	
		2764A-250	
		2764A-300	
		2764A-450	
M2816	Catalyst		
	Semi	CAT28C16	
M3541	STC	TEL5413	
		TEL5415	
M5116	Samsung	KT5116	
M5450	Micrel	MM5450	
M5451	Micrel	MM5451	
M5912	Samsung	KT3040	
M74HCT04	GoldStar	GD74HCT04	
	Harris	CD74HCT04	
	Motorola	MC74HCT04A	
	National	MM74HCT04	
	Signetics	74HCT04	
	Toshiba	TC74HCT04A	
M74HCT137	GEC Plessey	MV74HCT137	
		74HCT137	
	Harris	CD74HCT137	
	Signetics	74HCT137	
	TI	SN74HCT137	
	Toshiba	TC74HCT137	
M74HCT138	GEC Plessey	MV74HCT138	
		74HCT138	
	Harris	CD74HCT138	
	Hitachi	HD74HCT138	
	Mitsubishi	M74HCT138-1	
	Motorola	MC74HCT138A	
	National	MM74HCT138	
	Signetics	74HCT138	
	TI	SN74HCT138	
	Toshiba	TC74HCT138A	
M74HCT157	GoldStar	GD74HCT157	
	Harris	CD74HCT157	
	Motorola	MC74HCT157A	
	National	MM74HCT157	
	Signetics	74HCT157	
	Toshiba	TC74HCT157A	
M74HCT158	Harris	CD74HCT158	
	National	MM74HCT158	
	Signetics	74HCT158	
	Toshiba	TC74HCT158A	
M74HCT164	Harris	CD74HCT164	
	National	MM74HCT164	
	Signetics	74HCT164	
	Toshiba	TC74HCT164A	
M74HCT240	GEC Plessey	MV74HCT240	
		74HCT240	
	Harris	CD74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240	
		M74HCT240-1	
	Motorola	MC74HCT240A	
	National	MM74HCT240	
	Signetics	74HCT240	
	TI	SN74HCT240	
	Toshiba	TC74HCT240A	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
SGS-THOMSON			**(Cont'd)**
M74HCT241	GEC Plessey	MV74HCT241	
		74HCT241	
	Harris	CD74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241	
		M74HCT241-1	
	Motorola	MC74HCT241A	
	National	MM74HCT241	
	Signetics	74HCT241	
	TI	SN74HCT241	
	Toshiba	TC74HCT241A	
M74HCT244	GEC Plessey	MV74HCT244	
		74HCT244	
	Harris	CD74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244	
		M74HCT244-1	
	Motorola	MC74HCT244A	
	National	MM74HCT244	
	Signetics	74HCT244	
	TI	SN74HCT244	
	Toshiba	TC74HCT244A	
M74HCT245	GEC Plessey	MV74HCT245	
		74HCT245	
	Harris	CD74HCT245	
	Hitachi	HD74HCT245	
	Mitsubishi	M74HCT245-1	
	Motorola	MC74HCT245A	
	National	MM74HCT245	
	Signetics	74HCT245	
	TI	SN74HCT245	
	Toshiba	TC74HCT245A	
M74HCT257	Harris	CD74HCT257	
	National	MM74HCT257	
	Signetics	74HCT257	
	Toshiba	TC74HCT257A	
M74HCT258	GoldStar	GD74HCT258	
	Harris	CD74HCT258	
	National	MM74HCT258	
	Signetics	74HCT258	
	Toshiba	TC74HCT258A	
M74HCT373	GEC Plessey	MV74HCT373	
		74HCT373	
	GoldStar	GD74HCT373	
	Harris	CD74HCT373	
	Hitachi	HD74HCT373	
	Mitsubishi	M74HCT373-1	
	Motorola	MC74HCT373A	
	National	MM74HCT373	
	Signetics	74HCT373	
	TI	SN74HCT373	
	Toshiba	TC74HCT373A	
M74HCT374	GEC Plessey	MV74HCT374	
		74HCT374	
	GoldStar	GD74HCT374	
	Harris	CD74HCT374	
	Hitachi	HD74HCT374	
	Mitsubishi	M74HCT374-1	
	Motorola	MC74HCT374A	
	National	MM74HCT374	
	Signetics	74HCT374	
	TI	SN74HCT374	
	Toshiba	TC74HCT374A	
M74HCT533	GEC Plessey	MV74HCT533	
		74HCT533	
	Harris	CD74HCT533	
	Hitachi	HD74HCT533	
	Mitsubishi	M74HCT533-1	
	Motorola	MC74HCT533A	
	National	MM74HCT533	
	Signetics	74HCT533	
	TI	SN74HCT533	
	Toshiba	TC74HCT533A	
M74HCT534	GEC Plessey	MV74HCT534	
		74HCT534	
	Harris	CD74HCT534	
	Hitachi	HD74HCT534	
	Mitsubishi	M74HCT534-1	
	Motorola	MC74HCT534A	
	National	MM74HCT534	
	Signetics	74HCT534	
	TI	SN74HCT534	
	Toshiba	TC74HCT534A	
M74HCT540	GEC Plessey	MV74HCT540	
		74HCT540	
	Harris	CD74HCT540	
	Motorola	MC74HCT540	
	National	MM74HCT540	
	Signetics	74HCT540	
	TI	SN74HCT540	
	Toshiba	TC74HCT540A	
			(Continued)
M74HCT541	GEC Plessey	MV74HCT541	
		74HCT541	
	Harris	CD74HCT541	
	National	MM74HCT541	
	Signetics	74HCT541	
	TI	SN74HCT541	
	Toshiba	TC74HCT541A	
M74HCT563	GEC Plessey	MV74HCT563	
		74HCT563	
	Harris	CD74HCT563	
	Signetics	74HCT563	
	TI	SN74HCT563	
	Toshiba	TC74HCT563A	
M74HCT564	GEC Plessey	MV74HCT564	
		74HCT564	
	Harris	CD74HCT564	
	National	MM74HCT564	
	Signetics	74HCT564	
	TI	SN74HCT564	
	Toshiba	TC74HCT564A	
M74HCT573	GEC Plessey	MV74HCT573	
		74HCT573	
	Harris	CD74HCT573	
	Motorola	MC74HCT573A	
	National	MM74HCT573	
	Signetics	74HCT573	
	TI	SN74HCT573	
	Toshiba	TC74HCT573A	
M74HCT574	GEC Plessey	MV74HCT574	
		74HCT574	
	Harris	CD74HCT574	
	Motorola	MC74HCT574A	
	National	MM74HCT574	
	Signetics	74HCT574	
	TI	SN74HCT574	
	Toshiba	TC74HCT574A	
M74HCT640	Harris	CD74HCT640	
	Mitsubishi	M74HCT640-1	
	Motorola	MC74HCT640A	
	National	MM74HCT640	
	Signetics	74HCT640	
	TI	SN74HCT640	
	Toshiba	TC74HCT640A	
	Universal	US74HCT640	
M74HCT643	Harris	CD74HCT643	
	Mitsubishi	M74HCT643-1	
	National	MM74HCT643	
	Signetics	74HCT643	
	TI	SN74HCT643	
	Toshiba	TC74HCT643A	
M74HCT646	Harris	CD74HCT646	
	Motorola	MC74HCT646	
	Signetics	74HCT646	
	TI	SN74HCT646	
	Toshiba	TC74HCT646A	
M74HCT648	Harris	CD74HCT648	
	Signetics	74HCT648	
	TI	SN74HCT648	
	Toshiba	TC74HCT648A	
M74HCT651	Harris	CD74HCT651	
	TI	SN74HCT651	
	Toshiba	TC74HCT651A	
M74HCT652	Harris	CD74HCT652	
	TI	SN74HCT652	
	Toshiba	TC74HCT652A	
M74HCT688	Harris	CD74HCT688	
	National	MM74HCT688	
	Signetics	74HCT688	
	Toshiba	TC74HCT688A	
M74HCT7007	Toshiba	TC74HCT7007A	
M74HCT74	Harris	CD74HCT74	
	Motorola	MC74HCT74A	
	National	MM74HCT74	
	Signetics	74HCT74	
	TI	SN74HCT74	
	Toshiba	TC74HCT74A	
M74HCT86	Harris	CD74HCT86	
	Signetics	74HCT86	
	Toshiba	TC74HCT86A	
M74HC00	GoldStar	GD74HC00	
	Harris	CD74HC00	
	Hitachi	HD74HC00	
	Motorola	MC74HC00A	
	National	MM74HC00	
	NJR	NJU74HC00	
	Sharp	LR74HC00	
	Signetics	74HC00	
	TI	SN74HC00	
	Toshiba	TC74HC00A	
M74HC02	GoldStar	GD74HC02	
	Harris	CD74HC02	
	Hitachi	HD74HC02	
	Motorola	MC74HC02A	
			(Continued)
M74HC02			(Cont'd)
	National	MM74HC02	
	NJR	NJU74HC02	
	Sharp	LR74HC02	
	Signetics	74HC02	
	TI	SN74HC02	
	Toshiba	TC74HC02A	
M74HC03	Harris	CD74HC03	
	Motorola	MC74HC03A	
	National	MM74HC03	
	NJR	NJU74HC03	
	Sharp	LR74HC03	
	Signetics	74HC03	
	TI	SN74HC03	
	Toshiba	TC74HC03A	
M74HC04	Harris	CD74HC04	
	Hitachi	HD74HC04	
	Motorola	MC74HC04A	
	National	MM74HC04	
	NJR	NJU74HC04	
	Sharp	LR74HC04	
	Signetics	74HC04	
	TI	SN74HC04	
	Toshiba	TC74HC04A	
M74HC08	Harris	CD74HC08	
	Hitachi	HD74HC08	
	Motorola	MC74HC08A	
	National	MM74HC08	
	NJR	NJU74HC08	
	Sharp	LR74HC08	
	Signetics	74HC08	
	TI	SN74HC08	
	Toshiba	TC74HC08A	
M74HC10	Harris	CD74HC10	
	Hitachi	HD74HC10	
	Motorola	MC74HC10	
	National	MM74HC10	
	NJR	NJU74HC10	
	Sharp	LR74HC10	
	Signetics	74HC10	
	TI	SN74HC10	
	Toshiba	TC74HC10A	
M74HC107	Harris	CD74HC107	
	Hitachi	HD74HC107	
	Motorola	MC74HC107	
	National	MM74HC107	
	Sharp	LR74HC107	
	Signetics	74HC107	
	TI	SN74HC107	
	Toshiba	TC74HC107A	
M74HC109	Harris	CD74HC109	
	Hitachi	HD74HC109	
	Motorola	MC74HC109	
	National	MM74HC109	
	NJR	NJU74HC109	
	Sharp	LR74HC109	
	Signetics	74HC109	
	TI	SN74HC109	
	Toshiba	TC74HC109A	
M74HC11	Harris	CD74HC11	
	Hitachi	HD74HC11	
	Motorola	MC74HC11	
	National	MM74HC11	
	NJR	NJU74HC11	
	Sharp	LR74HC11	
	Signetics	74HC11	
	TI	SN74HC11	
	Toshiba	TC74HC11A	
M74HC112	Harris	CD74HC112	
	Hitachi	HD74HC112	
	Motorola	MC74HC112	
	National	MM74HC112	
	NJR	NJU74HC112	
	Sharp	LR74HC112	
	Signetics	74HC112	
	TI	SN74HC112	
	Toshiba	TC74HC112A	
M74HC113	Hitachi	HD74HC113	
	Mitsubishi	M74HC113	
	Motorola	MC74HC113	
	National	MM74HC113	
	NJR	NJU74HC113	
	Sharp	LR74HC113	
	TI	SN74HC113	
	Toshiba	TC74HC113A	
M74HC123	Harris	CD74HC123	
	Hitachi	HD74HC123	
	Mitsubishi	M74HC123A	
	National	MM74HC123	
		MM74HC123A	
	NJR	NJU74HC123	
	SGS-Thomson		
		M74HC123A	
			(Continued)
M74HC123			(Cont'd)
	Signetics	74HC123	
	Toshiba	TC74HC123	
		TC74HC123A	
M74HC123A	Harris	CD74HC123	
	Hitachi	HD74HC123	
	Mitsubishi	M74HC123A	
	National	MM74HC123	
		MM74HC123A	
	NJR	NJU74HC123	
	SGS-Thomson		
		M74HC123	
	Signetics	74HC123	
	Toshiba	TC74HC123	
		TC74HC123A	
M74HC125	Harris	CD74HC125	
	Hitachi	HD74HC125	
	Motorola	MC74HC125A	
	National	MM74HC125	
	Signetics	74HC125	
	TI	SN74HC125	
	Toshiba	TC74HC125A	
M74HC126	Harris	CD74HC126	
	Hitachi	HD74HC126	
	Motorola	MC74HC126A	
	National	MM74HC126	
	Signetics	74HC126	
	TI	SN74HC126	
	Toshiba	TC74HC126A	
M74HC132	Harris	CD74HC132	
	Hitachi	HD74HC132	
	Motorola	MC74HC132A	
	National	MM74HC132	
	NJR	NJU74HC132	
	Sharp	LR74HC132	
	Signetics	74HC132	
	TI	SN74HC132	
	Toshiba	TC74HC132A	
M74HC133	Hitachi	HD74HC133	
	Motorola	MC74HC133	
	National	MM74HC133	
	TI	SN74HC133	
	Toshiba	TC74HC133A	
M74HC137	Harris	CD74HC137	
	Hitachi	HD74HC137	
	Mitsubishi	M74HC137	
	Motorola	MC74HC137	
	National	MM74HC137	
	NJR	NJU74HC137	
	Sharp	LR74HC137	
	Signetics	74HC137	
	TI	SN74HC137	
	Toshiba	TC74HC137A	
M74HC138	Harris	CD74HC138	
	Hitachi	HD74HC138	
	Mitsubishi	M74HC138-1	
	Motorola	MC74HC138A	
	National	MM74HC138	
	NJR	NJU74HC138	
	Sharp	LR74HC138	
	Signetics	74HC138	
	TI	SN74HC138	
	Toshiba	TC74HC138A	
M74HC139	Harris	CD74HC139	
	Hitachi	HD74HC139	
	Mitsubishi	M74HC139-1	
	Motorola	MC74HC139A	
	National	MM74HC139	
	NJR	NJU74HC139	
	Sharp	LR74HC139	
	Signetics	74HC139	
	TI	SN74HC139	
	Toshiba	TC74HC139A	
M74HC14	Harris	CD74HC14	
	Hitachi	HD74HC14	
	Mitsubishi	M74HC14	
	Motorola	MC74HC14A	
	National	MM74HC14	
	NJR	NJU74HC14	
	Sharp	LR74HC14	
	Signetics	74HC14	
	TI	SN74HC14	
	Toshiba	TC74HC14A	
M74HC147	Harris	CD74HC147	
	Hitachi	HD74HC147	
	Motorola	MC74HC147	
	National	MM74HC147	
	Sharp	LR74HC147	
	Signetics	74HC147	
	TI	SN74HC147	
	Toshiba	TC74HC147A	
M74HC148	Hitachi	HD74HC148	
	National	MM74HC148	
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
SGS-THOMSON			**(Cont'd)**
M74HC148			(Cont'd)
	TI	SN74HC148	
	Toshiba	TC74HC148A	
M74HC151	Harris	CD74HC151	
	Hitachi	HD74HC151	
	Motorola	MC74HC151	
	National	MM74HC151	
	NJR	NJU74HC151	
	Sharp	LR74HC151	
	Signetics	74HC151	
	TI	SN74HC151	
	Toshiba	TC74HC151A	
M74HC153	Harris	CD74HC153	
	Hitachi	HD74HC153	
	Motorola	MC74HC153	
	National	MM74HC153	
	NJR	NJU74HC153	
	Sharp	LR74HC153	
	Signetics	74HC153	
	TI	SN74HC153	
	Toshiba	TC74HC153A	
	Universal	US74HC153	
M74HC154	Harris	CD74HC154	
	Hitachi	HD74HC154	
	Motorola	MC74HC154	
	National	MM74HC154	
	Signetics	74HC154	
	TI	SN74HC154	
	Toshiba	TC74HC154A	
	Universal	US74HC154	
M74HC155	Hitachi	HD74HC155	
	Mitsubishi	M74HC155	
	National	MM74HC155	
	Toshiba	TC74HC155A	
M74HC157	Harris	CD74HC157	
	Hitachi	HD74HC157	
	Motorola	MC74HC157A	
	National	MM74HC157	
	Sharp	LR74HC157	
	Signetics	74HC157	
	TI	SN74HC157	
	Toshiba	TC74HC157A	
	Universal	US74HC157	
M74HC158	Harris	CD74HC158	
	Hitachi	HD74HC158	
	National	MM74HC158	
	Sharp	LR74HC158	
	Signetics	74HC158	
	TI	SN74HC158	
	Toshiba	TC74HC158A	
	Universal	US74HC158	
M74HC160	Harris	CD74HC160	
	Hitachi	HD74HC160	
	Mitsubishi	M74HC160	
	Motorola	MC74HC160	
	National	MM74HC160	
	NJR	NJU74HC160	
	Sharp	LR74HC160	
	Signetics	74HC160	
	TI	SN74HC160	
	Toshiba	TC74HC160A	
	Universal	US74HC160	
M74HC161	Harris	CD74HC161	
	Hitachi	HD74HC161	
	National	MM74HC161	
	NJR	NJU74HC161	
	Sharp	LR74HC161	
	Signetics	74HC161	
	TI	SN74HC161	
	Toshiba	TC74HC161A	
	Universal	US74HC161	
M74HC162	Harris	CD74HC162	
	Hitachi	HD74HC162	
	Mitsubishi	M74HC162	
	Motorola	MC74HC162	
	National	MM74HC162	
	NJR	NJU74HC162	
	Sharp	LR74HC162	
	Signetics	74HC162	
	TI	SN74HC162	
	Toshiba	TC74HC162A	
	Universal	US74HC162	
M74HC163	Harris	CD74HC163	
	Hitachi	HD74HC163	
	National	MM74HC163	
	NJR	NJU74HC163	
	Panasonic	MN74HC163	
	Sharp	LR74HC163	
	Signetics	74HC163	
	TI	SN74HC163	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC163			(Cont'd)
	Toshiba	TC74HC163A	
	Universal	US74HC163	
M74HC164	Harris	CD74HC164	
	Hitachi	HD74HC164	
	Motorola	MC74HC164	
	National	MM74HC164	
	NJR	NJU74HC164	
	Sharp	LR74HC164	
	Signetics	74HC164	
	TI	SN74HC164	
	Toshiba	TC74HC164A	
	Universal	US74HC164	
M74HC165	Harris	CD74HC165	
	Hitachi	HD74HC165	
	Motorola	MC74HC165	
	National	MM74HC165	
	NJR	NJU74HC165	
	Sharp	LR74HC165	
	Signetics	74HC165	
	TI	SN74HC165	
	Toshiba	TC74HC165A	
	Universal	US74HC165	
M74HC166	Harris	CD74HC166	
	Hitachi	HD74HC166	
	National	MM74HC166	
	NJR	NJU74HC166	
	Signetics	74HC166	
	TI	SN74HC166	
	Toshiba	TC74HC166A	
M74HC173	Harris	CD74HC173	
	Hitachi	HD74HC173	
	Motorola	MC74HC173	
	National	MM74HC173	
	Sharp	LR74HC173	
	Signetics	74HC173	
	TI	SN74HC173	
	Toshiba	TC74HC173A	
	Universal	US74HC173	
M74HC174	Harris	CD74HC174	
	Hitachi	HD74HC174	
	Motorola	MC74HC174A	
	National	MM74HC174	
	NJR	NJU74HC174	
	Sharp	LR74HC174	
	Signetics	74HC174	
	TI	SN74HC174	
	Toshiba	TC74HC174A	
	Universal	US74HC174	
M74HC175	Harris	CD74HC175	
	Hitachi	HD74HC175	
	Motorola	MC74HC175	
	National	MM74HC175	
	NJR	NJU74HC175	
	Sharp	LR74HC175	
	Signetics	74HC175	
	TI	SN74HC175	
	Toshiba	TC74HC175A	
	Universal	US74HC175	
M74HC181	Harris	CD74HC181	
	National	MM74HC181	
	Signetics	74HC181	
	Toshiba	TC74HC181A	
M74HC182	Harris	CD74HC182	
	Hitachi	HD74HC182	
	National	MM74HC182	
	Signetics	74HC182	
	Toshiba	TC74HC182A	
M74HC190	Harris	CD74HC190	
	Hitachi	HD74HC190	
	Mitsubishi	74HC190	
	National	MM74HC190	
	Signetics	74HC190	
	TI	SN74HC190	
	Toshiba	TC74HC190A	
	Universal	US74HC190	
M74HC191	GoldStar	GD74HC191	
	Harris	CD74HC191	
	Hitachi	HD74HC191	
	Mitsubishi	M74HC191	
	National	MM74HC191	
	Signetics	74HC191	
	TI	SN74HC191	
	Toshiba	TC74HC191A	
	Universal	US74HC191	
M74HC192	Harris	CD74HC192	
	Hitachi	HD74HC192	
	Mitsubishi	M74HC192	
	National	MM74HC192	
	NJR	NJU74HC192	
	Signetics	74HC192	
	TI	SN74HC192	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC192			(Cont'd)
	Toshiba	TC74HC192A	
	Universal	US74HC192	
M74HC193	Harris	CD74HC193	
	Hitachi	HD74HC193	
	Mitsubishi	M74HC193	
	National	MM74HC193	
	Signetics	74HC193	
	TI	SN74HC193	
	Toshiba	TC74HC193A	
	Universal	US74HC193	
M74HC194	Harris	CD74HC194	
	Hitachi	HD74HC194	
	Mitsubishi	M74HC194	
	Motorola	MC74HC194	
	National	MM74HC194	
	NJR	NJU74HC194	
	Sharp	LR74HC194	
	Signetics	74HC194	
	TI	SN74HC194	
	Toshiba	TC74HC194A	
	Universal	US74HC194	
M74HC195	Harris	CD74HC195	
	Hitachi	HD74HC195	
	Mitsubishi	M74HC195	
	Motorola	MC74HC195	
	National	MM74HC195	
	NJR	NJU74HC195	
	Sharp	LR74HC195	
	Signetics	74HC195	
	TI	SN74HC195	
	Toshiba	TC74HC195A	
	Universal	US74HC195	
M74HC20	Harris	CD74HC20	
	Hitachi	HD74HC20	
	Mitsubishi	M74HC20	
	Motorola	MC74HC20	
	National	MM74HC20	
	NJR	NJU74HC20	
	Sharp	LR74HC20	
	Signetics	74HC20	
	TI	SN74HC20	
	Toshiba	TC74HC20A	
	Universal	US74HC20	
M74HC21	Harris	CD74HC21	
	Hitachi	HD74HC21	
	NJR	NJU74HC21	
	Signetics	74HC21	
	TI	SN74HC21	
	Toshiba	TC74HC21A	
	Universal	US74HC21	
M74HC221	Harris	CD74HC221	
	Hitachi	HD74HC221	
	National	MM74HC221A	
	SGS-Thomson	M74HC221A	
	Signetics	74HC221	
	Toshiba	TC74HC221	
	Universal	US74HC221	
M74HC221A	Harris	CD74HC221	
	Hitachi	HD74HC221	
	National	MM74HC221A	
	SGS-Thomson	M74HC221	
	Signetics	74HC221	
	Toshiba	TC74HC221	
	Universal	US74HC221	
M74HC237	Harris	CD74HC237	
	Hitachi	HD74HC237	
	Mitsubishi	M74HC237	
	Motorola	MC74HC237	
	National	MM74HC237	
	NJR	NJU74HC237	
	Signetics	74HC237	
	TI	SN74HC237	
	Toshiba	TC74HC237A	
M74HC238	Harris	CD74HC238	
	Hitachi	HD74HC238	
	National	MM74HC238	
	NJR	NJU74HC238	
	Signetics	74HC238	
	TI	SN74HC238	
	Toshiba	TC74HC238A	
M74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	Sharp	LR74HC240	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC240			(Cont'd)
	Signetics	PC74HC240	
		74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
M74HC241	Harris	CD74HC241	
	Hitachi	HD74HC241	
	Mitsubishi	M74HC241	
	Motorola	MC74HC241A	
	National	MM74HC241	
	NJR	NJU74HC241	
	SGS-Thomson	M74HC241HV	
	Sharp	LR74HC241	
	Signetics	74HC241	
	TI	SN74HC241	
	Toshiba	TC74HC241A	
M74HC241HV			
	Harris	CD74HC241	
	Hitachi	HD74HC241	
	Mitsubishi	M74HC241	
	Motorola	MC74HC241A	
	National	MM74HC241	
	NJR	NJU74HC241	
	SGS-Thomson	M74HC241	
	Sharp	LR74HC241	
	Signetics	74HC241	
	TI	SN74HC241	
	Toshiba	TC74HC241A	
M74HC242	Harris	CD74HC242	
	Hitachi	HD74HC242	
	Mitsubishi	M74HC242	
	Motorola	MC74HC242	
	National	MM74HC242	
	Sharp	LR74HC242	
	Signetics	74HC242	
	TI	SN74HC242	
	Toshiba	TC74HC242A	
M74HC243	Harris	CD74HC243	
	Mitsubishi	M74HC243	
	National	MM74HC243	
	Sharp	LR74HC243	
	Signetics	74HC243	
	TI	SN74HC243	
	Toshiba	TC74HC243A	
M74HC244	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
	Motorola	MC74HC244A	
	National	MM74HC244	
	NJR	NJU74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
M74HC245	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
	National	MM74HC245	
		MM74HC245A	
	NJR	NJU74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
M74HC251	Harris	CD74HC251	
	Hitachi	HD74HC251	
	Mitsubishi	M74HC251	
	Motorola	MC74HC251	
	National	MM74HC251	
	Sharp	LR74HC251	
	Signetics	74HC251	
	TI	SN74HC251	
	Toshiba	TC74HC251A	
M74HC253	Harris	CD74HC253	
	Hitachi	HD74HC253	
	Mitsubishi	M74HC253	
	Motorola	MC74HC253	
	National	MM74HC253	
	NJR	NJU74HC253	
	Sharp	LR74HC253	
	Signetics	PC74HC253	
	TI	SN74HC253	
	Toshiba	TC74HC253	
M74HC257	Harris	CD74HC257	
	Hitachi	HD74HC257	
	Mitsubishi	M74HC257	
	Motorola	MC74HC257	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
SGS-THOMSON			**(Cont'd)**
M74HC257			(Cont'd)
	National	MM74HC257	
	Sharp	LR74HC257	
	Signetics	74HC257	
	TI	SN74HC257	
	Toshiba	TC74HC257A	
M74HC258	Harris	CD74HC258	
	Hitachi	HD74HC258	
	National	MM74HC258	
	Signetics	74HC258	
	TI	SN74HC258	
	Toshiba	TC74HC258A	
M74HC259	Harris	CD74HC259	
	Hitachi	HD74HC259	
	Mitsubishi	M74HC259	
	Motorola	MC74HC259	
	National	MM74HC259	
	NJR	NJU74HC259	
	Sharp	LR74HC259	
	Signetics	74HC259	
	TI	SN74HC259	
	Toshiba	TC74HC259A	
M74HC266	Mitsubishi	M74HC266	
		M74HC266A	
	National	MM74HC266	
	NJR	NJU74HC266	
	Sharp	LR74HC266	
	TI	SN74HC266	
M74HC27	Harris	CD74HC27	
	Hitachi	HD74HC27	
	Mitsubishi	M74HC27	
	Motorola	MC74HC27	
	National	MM74HC27	
	NJR	NJU74HC27	
	Sharp	LR74HC27	
	Signetics	74HC27	
	TI	SN74HC27	
	Toshiba	TC74HC27A	
M74HC273	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
M74HC279	Toshiba	TC74HC279A	
M74HC280	Harris	CD74HC280	
	Hitachi	HD74HC280	
	Mitsubishi	M74HC280	
	Motorola	MC74HC280	
	National	MM74HC280	
	Sharp	LR74HC280	
	Signetics	74HC280	
	TI	SN74HC280	
	Toshiba	TC74HC280A	
M74HC283	Harris	CD74HC283	
	Mitsubishi	M74HC283	
	National	MM74HC283	
	Signetics	74HC283	
	TI	SN74HC283	
	Toshiba	TC74HC283A	
M74HC292	Hitachi	HD74HC292	
M74HC294	Hitachi	HD74HC294	
M74HC298	Hitachi	HD74HC298	
	Motorola	MC74HC298	
	National	MM74HC298	
	TI	SN74HC298	
	Toshiba	TC74HC298A	
M74HC299	Harris	CD74HC299	
	Motorola	MC74HC299	
	National	MM74HC299	
	Sharp	LR74HC299	
	Signetics	74HC299	
	TI	SN74HC299	
	Toshiba	TC74HC299A	
M74HC30	Harris	CD74HC30	
	Hitachi	HD74HC30	
	Mitsubishi	M74HC30	
	Motorola	MC74HC30	
	National	MM74HC30	
	Sharp	LR74HC30	
	Signetics	74HC30	
	TI	SN74HC30	
	Toshiba	TC74HC30A	
M74HC32	Harris	CD74HC32	
	Hitachi	HD74HC32	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC32			(Cont'd)
	Mitsubishi	M74HC32	
	Motorola	MC74HC32A	
	National	MM74HC32	
	NJR	NJU74HC32	
	Sharp	LR74HC32	
	Signetics	74HC32	
	TI	SN74HC32	
	Toshiba	TC74HC32A	
M74HC323	Hitachi	HD74HC323	
	National	MM74HC323	
	Toshiba	TC74HC323A	
M74HC352	NJR	NJU74HC352	
	TI	SN74HC352	
	Toshiba	TC74HC352	
M74HC353	Hitachi	HD74HC353	
	NJR	NJU74HC353	
	TI	SN74HC353	
	Toshiba	TC74HC353A	
M74HC354	Harris	CD74HC354	
	Hitachi	HD74HC354	
	Motorola	MC74HC354	
	National	MM74HC354	
	Sharp	LR74HC354	
	Signetics	74HC354	
	TI	SN74HC354	
	Toshiba	TC74HC354A	
M74HC356	Harris	CD74HC356	
	Hitachi	HD74HC356	
	National	MM74HC356	
	Sharp	LR74HC356	
	Signetics	74HC356	
	TI	SN74HC356	
	Toshiba	TC74HC356A	
M74HC365	GoldStar	GD74HC365	
	Harris	CD74HC365	
	Hitachi	HD74HC365	
	Motorola	MC74HC365	
	National	MM74HC365	
	Sharp	LR74HC365	
	Signetics	74HC365	
	TI	SN74HC365	
	Toshiba	TC74HC365A	
M74HC366	GoldStar	GD74HC366	
	Harris	CD74HC366	
	Hitachi	HD74HC366	
	Motorola	MC74HC366	
	National	MM74HC366	
	Sharp	LR74HC366	
	Signetics	74HC366	
	TI	SN74HC366	
	Toshiba	TC74HC366A	
M74HC367	GoldStar	GD74HC367	
	Harris	CD74HC367	
	Hitachi	HD74HC367	
	Mitsubishi	M74HC367	
	Motorola	MC74HC367	
	National	MM74HC367	
	Signetics	74HC367	
	TI	SN74HC367	
	Toshiba	TC74HC367A	
M74HC368	GoldStar	GD74HC368	
	Harris	CD74HC368	
	Hitachi	HD74HC368	
	Motorola	MC74HC368	
	National	MM74HC368	
	Sharp	LR74HC368	
	Signetics	74HC368	
	TI	SN74HC368	
	Toshiba	TC74HC368A	
M74HC373	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	National	MM74HC373	
	NJR	NJU74HC373	
	Sharp	LR74HC373	
	Signetics	74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
M74HC374	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	National	MM74HC374	
	NJR	NJU74HC374	
	Sharp	LR74HC374	
	Signetics	74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC375	Hitachi	HD74HC375	
	NJR	NJU74HC375	
	TI	SN74HC375	
	Toshiba	TC74HC375A	
M74HC377	Harris	CD74HC377	
	Hitachi	HD74HC377	
	NJR	NJU74HC377	
	Signetics	74HC377	
	TI	SN74HC377	
	Toshiba	TC74HC377A	
M74HC386	Hitachi	HD74HC386	
	TI	SN74HC386	
	Toshiba	TC74HC386A	
M74HC390	Harris	CD74HC390	
	Hitachi	HD74HC390	
	Motorola	MC74HC390	
	National	MM74HC390	
	NJR	NJU74HC390	
	Sharp	LR74HC390	
	Signetics	74HC390	
	TI	SN74HC390	
	Toshiba	TC74HC390A	
M74HC393	Harris	CD74HC393	
	Hitachi	HD74HC393	
	Motorola	MC74HC393	
	National	MM74HC393	
	NJR	NJU74HC393	
	Sharp	LR74HC393	
	Signetics	74HC393	
	TI	SN74HC393	
	Toshiba	TC74HC393A	
M74HC4002	Harris	CD74HC4002	
	Mitsubishi	M74HC4002	
	Motorola	MC74HC4002	
	National	MM74HC4002	
	NJR	NJU74HC4002	
	Sharp	LR74HC4002	
	Signetics	74HC4002	
	TI	SN74HC4002	
	Toshiba	TC74HC4002A	
M74HC40102	Harris	CD74HC40102	
	Signetics	74HC40102	
	Toshiba	TC74HC40102A	
M74HC40103	Harris	CD74HC40103	
	Signetics	74HC40103	
	Toshiba	TC74HC40103A	
M74HC4017	Harris	CD74HC4017	
	Hitachi	HD74HC4017	
	Motorola	MC74HC4017	
	National	MM74HC4017	
	Signetics	74HC4017	
	TI	SN74HC4017	
	Toshiba	TC74HC4017A	
M74HC4020	Harris	CD74HC4020	
	Hitachi	HD74HC4020	
	Mitsubishi	M74HC4020	
	National	MM74HC4020	
	NJR	NJU74HC4020	
	Signetics	74HC4020	
	TI	SN74HC4020	
	Toshiba	TC74HC4020A	
M74HC4022	Hitachi	HD74HC4022	
	TI	SN74HC4022	
	Toshiba	TC74HC4022A	
M74HC4024	Harris	CD74HC4024	
	Hitachi	HD74HC4024	
	Mitsubishi	M74HC4024	
	Motorola	MC74HC4024	
	National	MM74HC4024	
	Sharp	LR74HC4024	
	Signetics	74HC4024	
	TI	SN74HC4024	
	Toshiba	TC74HC4024A	
M74HC4028	Toshiba	TC74HC4028A	
M74HC4040	Harris	CD74HC4040	
	Hitachi	HD74HC4040	
	Mitsubishi	M74HC4040	
	National	MM74HC4040	
	NJR	NJU74HC4040	
	Signetics	74HC4040	
	TI	SN74HC4040	
	Toshiba	TC74HC4040A	
M74HC4049	Harris	CD74HC4049	
	Mitsubishi	M74HC4049B	
	Motorola	MC74HC4049	
	National	MM74HC4049	
	Signetics	74HC4049	
	Toshiba	TC74HC4049A	
M74HC4050	Harris	CD74HC4050	
	Mitsubishi	M74HC4050B	
	Motorola	MC74HC4050	
	National	MM74HC4050	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC4050			(Cont'd)
	Signetics	74HC4050	
	Toshiba	TC74HC4050A	
M74HC4051	Harris	CD74HC4051	
	Mitsubishi	M74HC4051	
	Motorola	MC74HC4051	
	National	MM74HC4051	
	Signetics	74HC4051	
	Toshiba	TC74HC4051A	
M74HC4052	Harris	CD74HC4052	
	Mitsubishi	M74HC4052	
	Motorola	MC74HC4052	
	National	MM74HC4052	
	Panasonic	MN74HC4052	
	Signetics	74HC4052	
	Toshiba	TC74HC4052A	
M74HC4053	Harris	CD74HC4053	
	Mitsubishi	M74HC4053	
	Motorola	MC74HC4053	
	National	MM74HC4053	
	Signetics	74HC4053	
	Toshiba	TC74HC4053A	
M74HC4060	Harris	CD74HC4060	
	Hitachi	HD74HC4060	
	National	MM74HC4060	
	Signetics	74HC4060	
	TI	SN74HC4060	
	Toshiba	TC74HC4060A	
M74HC4066	Harris	CD74HC4066	
	Motorola	MC74HC4066	
	National	MM74HC4066	
	NJR	NJU74HC4066	
	Signetics	74HC4066	
	TI	SN74HC4066	
	Toshiba	TC74HC4066A	
M74HC4072	NJR	NJU74HC4072	
	Toshiba	TC74HC4072A	
M74HC4075	Harris	CD74HC4075	
	Mitsubishi	M74HC4075	
	Motorola	MC74HC4075	
	National	MM74HC4075	
	Sharp	LR74HC4075	
	Signetics	74HC4075	
	TI	SN74HC4075	
	Toshiba	TC74HC4075A	
M74HC4078	Mitsubishi	M74HC4078	
	Motorola	MC74HC4078	
	National	MM74HC4078	
	Sharp	LR74HC4078	
	TI	SN74HC4078A	
	Toshiba	TC74HC4078A	
M74HC4094	Harris	CD74HC4094	
	Signetics	74HC4094	
	Toshiba	TC74HC4094A	
M74HC42	Harris	CD74HC42	
	Hitachi	HD74HC42	
	Mitsubishi	M74HC42	
	Motorola	MC74HC42	
	National	MM74HC42	
	Sharp	LR74HC42	
	Signetics	74HC42	
	TI	SN74HC42	
	Toshiba	TC74HC42A	
M74HC423	Harris	CD74HC423	
	Hitachi	HD74HC423	
	National	MM74HC423A	
	SGS-Thomson		
		M74HC423A	
	Signetics	74HC423	
	Toshiba	TC74HC423	
		TC74HC423A	
M74HC423A	Harris	CD74HC423	
	Hitachi	HD74HC423	
	National	MM74HC423A	
	SGS-Thomson		
		M74HC423	
	Signetics	74HC423	
	Toshiba	TC74HC423	
		TC74HC423A	
M74HC4316	Harris	CD74HC4316	
	Motorola	MC74HC4316	
	National	MM74HC4316	
	Signetics	74HC4316	
	Toshiba	TC74HC4316A	
M74HC4351	Harris	CD74HC4351	
	Motorola	MC74HC4351	
	Signetics	74HC4351	
	Toshiba	TC74HC4351A	
M74HC4352	Harris	CD74HC4352	
	Motorola	MC74HC4352	
	Signetics	74HC4352	
	Toshiba	TC74HC4352A	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
SGS-THOMSON			**(Cont'd)**
M74HC4353	Harris	CD74HC4353	
	Motorola	MC74HC4353	
	Signetics	74HC4353	
	Toshiba	TC74HC4353A	
M74HC4511	Harris	CD74HC4511	
	Hitachi	HD74HC4511	
	Motorola	MC74HC4511	
	National	MM74HC4511	
	Sharp	LR74HC4511	
	Signetics	74HC4511	
	Toshiba	TC74HC4511A	
M74HC4514	Harris	CD74HC4514	
	Hitachi	HD74HC4514	
	Motorola	MC74HC4514	
	National	MM74HC4514	
	Sharp	LR74HC4514	
	Signetics	74HC4514	
	TI	SN74HC4514	
	Toshiba	TC74HC4514A	
M74HC4518	Harris	CD74HC4518	
	Hitachi	HD74HC4518	
	National	MM74HC4518	
	Signetics	74HC4518	
	Toshiba	TC74HC4518A	
M74HC4538	Harris	CD74HC4538	
	Hitachi	HD74HC4538	
	Motorola	MC74HC4538A	
	National	MM74HC4538	
	Signetics	74HC4538	
	Toshiba	TC74HC4538A	
M74HC4543	Harris	CD74HC4543	
	Hitachi	HD74HC4543	
	National	MM74HC4543	
	Sharp	LR74HC4543	
	Signetics	74HC4543	
	Toshiba	TC74HC4543A	
M74HC51	Hitachi	HD74HC51	
	Mitsubishi	M74HC51	
	Motorola	MC74HC51	
	National	MM74HC51	
	NJR	NJU74HC51	
	Sharp	LR74HC51	
	TI	SN74HC51	
	Toshiba	TC74HC51A	
M74HC533	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
	Motorola	MC74HC533A	
	National	MM74HC533	
	NJR	NJU74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
M74HC534	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
	Motorola	MC74HC534A	
	National	MM74HC534	
	NJR	NJU74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
M74HC540	Harris	CD74HC540	
	Hitachi	HD74HC540	
	Mitsubishi	M74HC540	
	Motorola	MC74HC540	
	National	MM74HC540	
	Signetics	74HC540	
	TI	SN74HC540	
	Toshiba	TC74HC540A	
M74HC541	Harris	CD74HC541	
	Hitachi	HD74HC541	
	Mitsubishi	M74HC541	
	Motorola	MC74HC541	
	National	MM74HC541	
	Sharp	LR74HC541	
	Signetics	74HC541	
	TI	SN74HC541	
	Toshiba	TC74HC541A	
M74HC563	Harris	CD74HC563	
	Hitachi	HD74HC563	
	Motorola	MC74HC563	
	National	MM74HC563	
	Sharp	LR74HC563	
	Signetics	74HC563	
	TI	SN74HC563	
	Toshiba	TC74HC563A	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC564	Harris	CD74HC564	
	Hitachi	HD74HC564	
	Motorola	MC74HC564	
	National	MM74HC564	
	Sharp	LR74HC564	
	Signetics	74HC564	
	TI	SN74HC564	
	Toshiba	TC74HC564A	
M74HC573	Harris	CD74HC573	
	Hitachi	HD74HC573	
	Motorola	MC74HC573A	
	National	MM74HC573	
	Signetics	74HC573	
	TI	SN74HC573	
	Toshiba	TC74HC573A	
M74HC574	Harris	CD74HC574	
	Hitachi	HD74HC574	
	Motorola	MC74HC574A	
	National	MM74HC574	
	Sharp	LR74HC574	
	Signetics	74HC574	
	TI	SN74HC574	
	Toshiba	TC74HC574A	
M74HC590	Hitachi	HD74HC590	
	National	MM74HC590	
	TI	SN74HC590A	
	Toshiba	TC74HC590	
M74HC592	Hitachi	HD74HC592	
	National	MM74HC592	
	Toshiba	TC74HC592	
M74HC593	Hitachi	HD74HC593	
	National	MM74HC593	
	Toshiba	TC74HC593A	
M74HC595	Hitachi	HD74HC595	
	Mitsubishi	M74HC595	
	National	MM74HC595	
	Sharp	LR74HC595	
	TI	SN74HC595	
	Toshiba	TC74HC595A	
M74HC597	Harris	CD74HC597	
	Hitachi	HD74HC597	
	Motorola	MC74HC597	
	National	MM74HC597	
	Sharp	LR74HC597	
	Signetics	74HC597	
	Toshiba	TC74HC597A	
M74HC620	Hitachi	HD74HC620	
	National	MM74HC620	
	NJR	NJU74HC620	
	TI	SN74HC620	
	Toshiba	TC74HC620A	
M74HC623	Hitachi	HD74HC623	
	National	MM74HC623	
	NJR	NJU74HC623	
	TI	SN74HC623	
	Toshiba	TC74HC623A	
M74HC640	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
	Motorola	MC74HC640A	
	National	MM74HC640	
	NJR	NJU74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	
M74HC643	Harris	CD74HC643	
	Hitachi	HD74HC643	
	Mitsubishi	M74HC643	
		M74HC643-1	
	National	MM74HC643	
	NJR	NJU74HC643	
	Sharp	LR74HC643	
	Signetics	74HC643	
	TI	SN74HC643	
	Toshiba	TC74HC643A	
M74HC646	Harris	CD74HC646	
	Motorola	MC74HC646	
	National	MM74HC646	
	Signetics	74HC646	
	TI	SN74HC646	
	Toshiba	TC74HC646A	
M74HC648	Harris	CD74HC648	
	Motorola	MC74HC648	
	National	MM74HC648	
	Signetics	74HC648	
	TI	SN74HC648	
	Toshiba	TC74HC648A	
M74HC651	Harris	CD74HC651	
	TI	SN74HC651	
	Toshiba	TC74HC651A	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC652	Harris	CD74HC652	
	TI	SN74HC652	
	Toshiba	TC74HC652A	
M74HC670	GoldStar	GD74HC670	
	Harris	CD74HC670	
	Hitachi	HD74HC670	
	Motorola	MC74HC670	
	Signetics	74HC670	
	Toshiba	TC74HC670A	
M74HC688	Harris	CD74HC688	
	Hitachi	HD74HC688	
	Motorola	MC74HC688	
	National	MM74HC688	
	Sharp	LR74HC688	
	Signetics	74HC688	
	TI	SN74HC688	
	Toshiba	TC74HC688A	
M74HC690	Toshiba	TC74HC690A	
M74HC691	Toshiba	TC74HC691A	
M74HC692	Toshiba	TC74HC692A	
M74HC693	Toshiba	TC74HC693A	
M74HC696	Toshiba	TC74HC696A	
M74HC698	Toshiba	TC74HC698A	
M74HC699	Toshiba	TC74HC699A	
M74HC7240	Toshiba	TC74HC7240A	
M74HC7241	Toshiba	TC74HC7241A	
M74HC7244	Toshiba	TC74HC7244A	
M74HC7266	Harris	CD74HC7266	
	Motorola	MC74HC7266	
	National	MM74HC7266	
	Signetics	74HC7266	
	TI	SN74HC7266	
	Toshiba	TC74HC7266A	
M74HC7292	Toshiba	TC74HC7292	
		TC74HC7292A	
M74HC7294	Toshiba	TC74HC7294	
		TC74HC7294A	
M74HC73	Harris	CD74HC73	
	Hitachi	HD74HC73	
	Mitsubishi	M74HC73	
	Motorola	MC74HC73	
	National	MM74HC73	
	Signetics	74HC73	
	TI	SN74HC73	
	Toshiba	TC74HC73A	
M74HC74	GoldStar	GD74HC74	
	Harris	CD74HC74	
	Hitachi	HD74HC74	
	Mitsubishi	M74HC74	
	Motorola	MC74HC74A	
	National	MM74HC74	
	NJR	NJU74HC74	
	Sharp	LR74HC74	
	Signetics	74HC74	
	TI	SN74HC74	
	Toshiba	TC74HC74A	
M74HC75	Harris	CD74HC75	
	Hitachi	HD74HC75	
	Mitsubishi	M74HC75	
	Motorola	MC74HC75	
	National	MM74HC75	
	Sharp	LR74HC75	
	Signetics	74HC75	
	TI	SN74HC75	
	Toshiba	TC74HC75A	
M74HC76	Hitachi	HD74HC76	
	Mitsubishi	M74HC76	
	Motorola	MC74HC76	
	National	MM74HC76	
	Sharp	LR74HC76	
	TI	SN74HC76	
	Toshiba	TC74HC76A	
M74HC77	Hitachi	HD74HC77	
	TI	SN74HC77	
	Toshiba	TC74HC77A	
M74HC85	Harris	CD74HC85	
	Hitachi	HD74HC85	
	Mitsubishi	M74HC85	
	Motorola	MC74HC85	
	National	MM74HC85	
	NJR	NJU74HC85	
	Sharp	LR74HC85	
	Signetics	74HC85	
	TI	SN74HC85	
	Toshiba	TC74HC85A	
M74HC86	Harris	CD74HC86	
	Hitachi	HD74HC86	
	Mitsubishi	M74HC86	
	Motorola	MC74HC86	
	National	MM74HC86	
	NJR	NJU74HC86	
	Sharp	LR74HC86	
	Signetics	74HC86	

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Manufacturer Device	Replacement Source	Device	IC Master Page
M74HC86			(Cont'd)
	TI	SN74HC86	
	Toshiba	TC74HC86A	
M9306	Samsung	KM93C06	
NE555	Signetics	NE555	
NE556	Signetics	NE556	
PBL3717	Unitrode	UC3717	
R68000	Micro-C	68000	
SG1524	National	LM1524	
	Unitrode	UC1524	
SG1525	National	LM1525	
SG1527	National	LM1527	
	Unitrode	UC1527	
SG2524	National	LM2524	
	Unitrode	UC2524	
SG2525	Unitrode	UC2525	
SG3524	National	LM3524	
	Samsung	KA3524	
	Signetics	SG3524	
	Unitrode	UC3524	
SG3525	National	LM3525	
	Samsung	KA3525	
	Unitrode	UC3525	
SG3527	National	LM3527	
	Unitrode	UC3527	
STC500	GEC Plessey	MV500	
ST27C64	AMD	AM27C64	
TBA1440	Motorola	MC13010	
TBA331	GEC Plessey	SL3046	
TBA440	Motorola	MC13010	
TBA820	Samsung	KA2201	
TBA920	Motorola	MC1391	
TBC0136	National	LM336	
TCA3089	National	LM3089	
TCA5600	Motorola	TCA5600	
TCF6000	Motorola	TCF6000	
TDA1044	Samsung	KA2132	
TDA1170	Samsung	KA2136	
TDA1180	Samsung	KA2137	
TDA2310	National	LM381	
TDA2540	Motorola	MC13010	
TDA2544	Motorola	MC13010	
	Samsung	KA2911	
TDA2822	Samsung	KA2209	
TDA3190	Motorola	TDA3190	
TDA3301	Motorola	TDA3301	
TDA3303	Motorola	TDA3303	
TDA4420	Motorola	MC13010	
TDA5600	Motorola	MC13010	
TDC1048	Motorola	MC10319	
TDE0119	Signetics	LM219	
TD62001	Motorola	MC1411	
TD62002	Motorola	MC1412	
TD62003	Motorola	MC1413	
TD62477	Motorola	MC1472	
TD62479	Motorola	MC1374	
TEA2025	Samsung	KA2206	
TL061	Motorola	MC33181	
TL062	Motorola	MC33182	
TL064	Motorola	MC33184	
TL072	Motorola	MC33282	
TL072MHB/C	TI	TL072MLB	
TL072MJ7B/C			
	TI	TL072MJGB	
TL074MJ7B/C			
	TI	TL074MJB	
TL082	Motorola	MC33282	
TL084	Motorola	MC33284	
TMS27C512	Krueger	27C512-150	
		27C512-200	
		27C512-250	
TS27C256	AMD	AM27C256	
	SEEQ	27C256	
	Waferscale	WS27C256	
TS27L2	TI	TLC27L2	
TS27L4	TI	TLC27L4	
TS27M2	TI	TLC27M2	
TS27M4	TI	TLC27M4	
TS271	TI	TLC271	
TS272	TI	TLC272	
TS274	TI	TLC274	
TS28C16	Catalyst Semi	CAT28C16	
TS28C17	Catalyst Semi	CAT28C17	
TS59C11	**Catalyst Semi**	**CAT59C11**	**(3424)**
TS68000	**Krueger**	**68000**	**(3548)**
	Micro-C	68000	
TS68008	Krueger	68008	
TS8306	GEC Plessey	SP9756	
TS8308	GEC Plessey	SP973	
	Harris	CA3318	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
SGS-THOMSON			**(Cont'd)**
TS93C46	**Catalyst**		
	Semi	**CAT93C46**	**(3424)**
	ICT	93C46	
	Samsung	KM93C46	
T54LS00	Motorola	SN54LS00	
	National	DM54LS00	
		54LS00	
	SGS-Thomson		
		54LS00	
	Signetics	54LS00	
	TI	SN54LS00	
T54LS02	Motorola	SN54LS02	
	National	DM54LS02	
		54LS02	
	SGS-Thomson		
		54LS02	
	Signetics	54LS02	
	TI	SN54LS02	
T54LS04	Motorola	SN54LS04	
	National	DM54LS04	
		54LS04	
	SGS-Thomson		
		54LS04	
	Signetics	54LS04	
	TI	SN54LS04	
T54LS05A	Motorola	SN54LS05	
	National	DM54LS05	
		54LS05	
	SGS-Thomson		
		54LS05	
	Signetics	54LS05	
	TI	SN54LS05	
T54LS09	Motorola	SN54LS09	
	National	DM54LS09	
		54LS09	
	SGS-Thomson		
		54LS09	
	Signetics	54LS09	
	TI	SN54LS09	
T54LS10	Motorola	SN54LS10	
	National	DM54LS10	
		54LS10	
	SGS-Thomson		
		54LS10	
	Signetics	54LS10	
	TI	SN54LS10	
T54LS11	Motorola	SN54LS11	
	National	DM54LS11	
		54LS11	
	SGS-Thomson		
		54LS11	
	Signetics	54LS11	
	TI	SN54LS11	
T54LS114	Motorola	SN54LS114A	
	National	54LS114	
	TI	SN54LS114A	
T54LS13	Motorola	SN54LS13	
	National	54LS13	
	Signetics	54LS13	
	TI	SN54LS13	
T54LS132	Motorola	SN54LS132	
	National	DM54LS132	
	SGS-Thomson		
		54LS132	
	Signetics	54LS132	
		54LS132A	
	TI	SN54LS132	
T54LS136	Motorola	SN54LS136	
	National	DM54LS136	
		54LS136	
	SGS-Thomson		
		54LS136	
	Signetics	54LS136	
	TI	SN54LS136	
T54LS138	Motorola	SN54LS138	
	National	DM54LS138	
		54LS138	
	SGS-Thomson		
		54LS138	
	Signetics	54LS138	
	TI	SN54LS138	
T54LS139	Motorola	SN54LS139	
	National	DM54LS139	
		54LS139	
	SGS-Thomson		
		54LS139	
	Signetics	54LS139	
	TI	SN54LS139A	
T54LS14	Motorola	SN54LS14	
	National	54LS14	
	SGS-Thomson		
		54LS14	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
T54LS14			(Cont'd)
	Signetics	54LS14	
	TI	SN54LS14	
T54LS15	Motorola	SN54LS15	
	National	54LS15	
	SGS-Thomson		
		54LS15	
	TI	SN54LS15	
T54LS151	Motorola	SN54LS151	
	National	DM54LS151	
		54LS151	
	SGS-Thomson		
		54LS151	
	Signetics	54LS151	
	TI	SN54LS151	
T54LS155	Motorola	SN54LS155	
	National	DM54LS155	
		54LS155	
	SGS-Thomson		
		54LS155	
	Signetics	54LS155	
	TI	SN54LS155A	
T54LS156	Motorola	SN54LS156	
	National	DM54LS156	
		54LS156	
	SGS-Thomson		
		54LS156	
	Signetics	54LS156	
	TI	SN54LS156	
T54LS157	Motorola	SN54LS157	
	National	DM54LS157	
		54LS157	
	SGS-Thomson		
		54LS157	
	Signetics	54LS157	
	TI	SN54LS157	
T54LS158	Motorola	SN54LS158	
	National	DM54LS158	
		54LS158	
	SGS-Thomson		
		54LS158	
	Signetics	54LS158	
	TI	SN54LS158	
T54LS168	Motorola	SN54LS168	
	National	DM54LS168A	
		54LS168	
	Signetics	54LS168A	
T54LS169	Motorola	SN54LS169	
	National	DM54LS169A	
		54LS169	
	Signetics	54LS169A	
	TI	SN54LS169B	
T54LS170	Motorola	SN54LS170	
	National	54LS170	
	SGS-Thomson		
		54LS170	
	Signetics	54LS170	
	TI	SN54LS170	
T54LS174	Motorola	SN54LS174	
	National	DM54LS174	
		54LS174	
	SGS-Thomson		
		54LS174	
	Signetics	54LS174	
	TI	SN54LS174	
T54LS175	Motorola	SN54LS175	
	National	DM54LS175	
		54LS175	
	SGS-Thomson		
		54LS175	
	Signetics	54LS175	
	TI	SN54LS175	
T54LS192	Motorola	SN54LS192	
	National	54LS192	
	SGS-Thomson		
		54LS192	
	Signetics	54LS192	
	TI	SN54LS192	
T54LS193	Motorola	SN54LS193	
	National	DM54LS193	
		54LS193	
	SGS-Thomson		
		54LS193	
	Signetics	54LS193	
	TI	SN54LS193	
T54LS194A	Motorola	SN54LS194A	
	National	54LS194A	
	Signetics	54LS194A	
	TI	SN54LS194A	
T54LS195A	Motorola	SN54LS195A	
	National	54LS195	
	SGS-Thomson		
		54LS195A	
	TI	SN54LS195A	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
T54LS20	Motorola	SN54LS20	
	National	DM54LS20	
		54LS20	
	SGS-Thomson		
		54LS20	
	Signetics	54LS20	
	TI	SN54LS20	
T54LS22	Motorola	SN54LS22	
	National	54LS22	
	SGS-Thomson		
		54LS22	
	TI	SN54LS22	
T54LS240	Motorola	SN54LS240	
	National	DM54LS240	
		54LS240	
	SGS-Thomson		
		54LS240	
	Signetics	54LS240	
	TI	SN54LS240	
T54LS256	Motorola	SN54LS256	
	National	54LS256	
	Signetics	54LS256	
T54LS258A	Motorola	SN54LS258A	
	National	DM54LS258B	
		54LS258A	
	SGS-Thomson		
		54LS258	
	Signetics	54LS258A	
	TI	SN54LS258B	
T54LS259	Motorola	SN54LS259	
	National	DM54LS259	
		54LS259	
	SGS-Thomson		
		54LS259	
	Signetics	54LS259	
	TI	SN54LS259B	
T54LS260	Motorola	SN54LS260	
	National	54LS260	
	Signetics	54LS260A	
T54LS266	Motorola	SN54LS266	
	National	54LS266	
	SGS-Thomson		
		54LS266	
	Signetics	54LS266	
	TI	SN54LS266	
T54LS27	Motorola	SN54LS27	
	National	DM54LS27	
		54LS27	
	SGS-Thomson		
		54LS27	
	Signetics	54LS27	
	TI	SN54LS27	
T54LS273	Motorola	SN54LS273	
	National	54LS273	
	SGS-Thomson		
		54LS273	
	Signetics	54LS273	
	TI	SN54LS273	
T54LS279	Motorola	SN54LS279	
	National	DM54LS279	
		54LS279	
	SGS-Thomson		
		54LS279	
	Signetics	54LS279	
	TI	SN54LS279A	
T54LS28	Motorola	SN54LS28	
	National	54LS28	
	Signetics	54LS28	
	TI	SN54LS28	
T54LS280	Motorola	SN54LS280	
	SGS-Thomson		
		54LS280	
	TI	SN54LS280	
T54LS293	Motorola	SN54LS293	
	SGS-Thomson		
		54LS293	
	Signetics	54LS293	
	TI	SN54LS293	
T54LS30	Motorola	SN54LS30	
	National	DM54LS30	
		54LS30	
	SGS-Thomson		
		54LS30	
	Signetics	54LS30	
	TI	SN54LS30	
T54LS32	Motorola	SN54LS32	
	National	DM54LS32	
		54LS32	
	SGS-Thomson		
		54LS32	
	Signetics	54LS32	
	TI	SN54LS32	
T54LS33	Motorola	SN54LS33	
	National	54LS33	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
T54LS33			(Cont'd)
	Signetics	54LS33	
	TI	SN54LS33	
T54LS352	National	DM54LS352	
		54LS352	
	Signetics	54LS352	
	TI	SN54LS352	
T54LS353	National	54LS353	
	Signetics	54LS353	
	TI	SN54LS353	
T54LS365A	Motorola	SN54LS365A	
	National	DM54LS365A	
		54LS365	
	SGS-Thomson		
		54LS365	
	Signetics	54LS365A	
	TI	SN54LS365A	
T54LS366A	Motorola	SN54LS366A	
	National	DM54LS366A	
		54LS366	
	SGS-Thomson		
		54LS366	
	Signetics	54LS366A	
	TI	SN54LS366A	
T54LS367A	Motorola	SN54LS367A	
	National	DM54LS367A	
		54LS367	
	SGS-Thomson		
		54LS367	
	Signetics	54LS367A	
	TI	SN54LS367A	
T54LS368A	Motorola	SN54LS368A	
	National	DM54LS368A	
		54LS368	
	SGS-Thomson		
		54LS368	
	Signetics	54LS368A	
	TI	SN54LS368A	
T54LS37	Motorola	SN54LS37	
	National	DM54LS37	
		54LS37	
	SGS-Thomson		
		54LS37	
	Signetics	54LS37	
	TI	SN54LS37	
T54LS373	Motorola	SN54LS373	
	National	DM54LS373	
	SGS-Thomson		
		54LS373	
	Signetics	54LS373	
	TI	SN54LS373	
T54LS374	Motorola	SN54LS374	
	National	DM54LS374	
		54LS374	
	SGS-Thomson		
		54LS374	
	Signetics	54LS374	
	TI	SN54LS374	
T54LS377	Motorola	SN54LS377	
	National	54LS377	
	SGS-Thomson		
		54LS377	
	Signetics	54LS377	
	TI	SN54LS377	
T54LS378	Motorola	SN54LS378	
	National	54LS378	
	Signetics	54LS378	
	TI	SN54LS378	
T54LS379	Motorola	SN54LS379	
	National	54LS379	
	TI	SN54LS379	
T54LS38	Motorola	SN54LS38	
	National	DM54LS38	
		54LS38	
	SGS-Thomson		
		54LS38	
	Signetics	54LS38	
	TI	SN54LS38	
T54LS390	Motorola	SN54LS390	
	SGS-Thomson		
		54LS390	
	Signetics	54LS390	
	TI	SN54LS390	
T54LS393	Motorola	SN54LS393	
	Signetics	54LS393	
	TI	SN54LS393	
T54LS395	Signetics	54LS395A	
	TI	SN54LS395A	
T54LS40	Motorola	SN54LS40	
	National	54LS40	
	SGS-Thomson		
		54LS40	
	Signetics	54LS40	
	TI	SN54LS40	
			(Continued)

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The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

SGS-THOMSON (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
T54LS42	Motorola	SN54LS42	
	National	DM54LS42	
		54LS42	
	SGS-Thomson		
		54LS42	
	Signetics	54LS42	
	TI	SN54LS42	
T54LS490	Motorola	SN54LS490	
	National	54LS490	
	Signetics	54LS490	
	TI	SN54LS490	
T54LS54	Motorola	SN54LS54	
	National	54LS54	
	SGS-Thomson		
		54LS54	
	Signetics	54LS54	
	TI	SN54LS54	
T54LS55	Motorola	SN54LS55	
	National	54LS55	
	SGS-Thomson		
		54LS55	
T54LS74A	Motorola	SN54LS74A	
	National	DM54LS74	
		54LS74	
	SGS-Thomson		
		54LS74	
	Signetics	54LS74A	
	TI	SN54LS74A	
T54LS93	Motorola	SN54LS93	
	SGS-Thomson		
		54LS93	
	Signetics	54LS93	
	TI	SN54LS93	
T74LS00	GoldStar	GD74LS00	
	Hitachi	HD74LS00	
	Motorola	SN74LS00	
	National	DM74LS00	
		74LS00	
	Rochester	74LS00	
	SGS-Thomson		
		74LS00	
	Signetics	74LS00	
	TI	SN74LS00	
T74LS01	Hitachi	HD74LS01	
	Motorola	SN74LS01	
	SGS-Thomson		
		74LS01	
	Signetics	74LS01	
	TI	SN74LS01	
T74LS02	GoldStar	GD74LS02	
	Hitachi	HD74LS02	
	Motorola	SN74LS02	
	National	DM74LS02	
		74LS02	
	SGS-Thomson		
		74LS02	
	Signetics	74LS02	
	TI	SN74LS02	
T74LS03A	Hitachi	HD74LS03	
	Motorola	SN74LS03	
	National	DM74LS03	
		74LS03	
	Rochester	74LS03	
	SGS-Thomson		
		74LS03	
	TI	SN74LS03	
T74LS04	GoldStar	GD74LS04	
	Hitachi	HD74LS04	
	Motorola	SN74LS04	
	National	DM74LS04	
		74LS04	
	Rochester	74LS04	
	SGS-Thomson		
		74LS04	
	Signetics	74LS04	
	TI	SN74LS04	
T74LS05A	GoldStar	GD74LS05	
	Hitachi	HD74LS05	
	Motorola	SN74LS05	
	National	DM74LS05	
		74LS05	
	Rochester	74LS05	
	SGS-Thomson		
		74LS05	
	Signetics	74LS05	
	TI	SN74LS05	
T74LS08	GoldStar	GD74LS08	
	Hitachi	HD74LS08	
	Motorola	SN74LS08	
	National	DM74LS08	
		74LS08	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
T74LS08			(Cont'd)
	Rochester	74LS08	
	SGS-Thomson		
		74LS08	
	Signetics	74LS08	
	TI	SN74LS08	
T74LS09	Hitachi	HD74LS09	
	Motorola	SN74LS09	
	National	DM74LS09	
		74LS09	
	Rochester	74LS09	
	SGS-Thomson		
		74LS09	
	Signetics	74LS09	
	TI	SN74LS09	
T74LS10	GoldStar	GD74LS10	
	Hitachi	HD74LS10	
	Motorola	SN74LS10	
	National	DM74LS10	
		74LS10	
	Rochester	74LS10	
	SGS-Thomson		
		74LS10	
	Signetics	74LS10	
	TI	SN74LS10	
T74LS109A	Hitachi	HD74LS109A	
	Motorola	SN74LS109A	
	National	DM74LS109	
		74LS109	
	Signetics	74LS109	
	TI	SN74LS109A	
T74LS11	GoldStar	GD74LS11	
	Hitachi	HD74LS11	
	Motorola	SN74LS11	
	National	DM74LS11	
		74LS11	
	Rochester	74LS11	
	SGS-Thomson		
		74LS11	
	Signetics	74LS11	
	TI	SN74LS11	
T74LS112A	Hitachi	HD74LS112	
	Motorola	SN74LS112A	
	National	DM74LS112	
		74LS112	
	Signetics	74LS112	
	TI	SN74LS112A	
T74LS113A	Hitachi	HD74LS113	
	Motorola	SN74LS113A	
	Rochester	74LS113	
	Signetics	74LS113	
	TI	SN74LS113A	
T74LS114A	Hitachi	HD74LS114	
	Motorola	SN74LS114A	
	Rochester	74LS114	
	TI	SN74LS114A	
T74LS12	Hitachi	HD74LS12	
	Motorola	SN74LS12	
	National	DM74LS12	
		74LS12	
	Rochester	74LS12	
	SGS-Thomson		
		74LS12	
	TI	SN74LS12	
T74LS125A	GoldStar	GD74LS125A	
	Hitachi	HD74LS125A	
	Motorola	SN74LS125A	
	National	DM74LS125A	
		74LS125	
	SGS-Thomson		
		74LS125A	
	Signetics	74LS125A	
	TI	SN74LS125A	
T74LS126A	Hitachi	HD74LS126A	
	Motorola	SN74LS126A	
	National	DM74LS126	
		74LS126	
	SGS-Thomson		
		74LS126	
	Signetics	74LS126A	
	TI	SN74LS126A	
T74LS13	Hitachi	HD74LS13	
	Motorola	SN74LS13	
	National	74LS13	
	SGS-Thomson		
		74LS13	
	Signetics	74LS13	
	TI	SN74LS13	
T74LS132	Hitachi	HD74LS132	
	Motorola	SN74LS132	
	National	DM74LS132	
		74LS132	

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Manufacturer Device	Replacement Source	Device	IC Master Page
T74LS132			(Cont'd)
	SGS-Thomson		
		74LS132	
	Signetics	74LS132	
	TI	SN74LS132	
T74LS133	Motorola	SN74LS133	
	National	74LS133	
	SGS-Thomson		
		74LS133	
T74LS136	Hitachi	HD74LS136	
	Motorola	SN74LS136	
	National	74LS136	
	SGS-Thomson		
		74LS136	
	Signetics	74LS136	
	TI	SN74LS136	
T74LS138	GoldStar	GD74LS138	
	Hitachi	HD74LS138	
	Motorola	SN74LS138	
	National	DM74LS138	
		74LS138	
	SGS-Thomson		
		74LS138	
	Signetics	74LS138	
	TI	SN74LS138	
T74LS139	GoldStar	GD74LS139	
	Hitachi	HD74LS139	
	Motorola	SN74LS139	
	National	DM74LS139	
		74LS139	
	SGS-Thomson		
		74LS139	
	Signetics	74LS139	
	TI	SN74LS139A	
T74LS14	GoldStar	GD74LS14	
	Hitachi	HD74LS14	
	Motorola	SN74LS14	
	National	DM74LS14	
		74LS14	
	SGS-Thomson		
		74LS14	
	Signetics	74LS14	
	TI	SN74LS14	
T74LS148	Hitachi	HD74LS148	
	Motorola	SN74LS148	
	TI	SN74LS148	
T74LS15	Hitachi	HD74LS15	
	Motorola	SN74LS15	
	National	74LS15	
	SGS-Thomson		
		74LS15	
	TI	SN74LS15	
T74LS151	Hitachi	HD74LS151A	
	Motorola	SN74LS151	
	National	DM74LS151	
		74LS151	
	SGS-Thomson		
		74LS151	
	Signetics	74LS151	
	TI	SN74LS151	
T74LS152	Hitachi	HD74LS152	
	Rochester	74LS152	
	SGS-Thomson		
		74LS152	
T74LS153	GoldStar	GD74LS153	
	Hitachi	HD74LS153	
	Motorola	SN74LS153	
	National	DM74LS153	
		74LS153	
	SGS-Thomson		
		74LS153	
	Signetics	74LS153	
	TI	SN74LS153	
T74LS155	Hitachi	HD74LS155	
	Motorola	SN74LS155	
	National	DM74LS155	
		74LS155	
	SGS-Thomson		
		74LS155	
	Signetics	74LS155	
	TI	SN74LS155A	
T74LS156	Hitachi	HD74LS156	
	Motorola	SN74LS156	
	National	DM74LS156	
		74LS156	
	SGS-Thomson		
		74LS156	
	Signetics	74LS156	
	TI	SN74LS156	
T74LS157	GoldStar	GD74LS157	
	Hitachi	HD74LS157	
	Motorola	SN74LS157	
	National	DM74LS157	
		74LS157	

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Manufacturer Device	Replacement Source	Device	IC Master Page
T74LS157			(Cont'd)
	SGS-Thomson		
		74LS157	
	Signetics	74LS157	
	TI	SN74LS157	
T74LS158	GoldStar	GD74LS158	
	Hitachi	HD74LS158	
	Motorola	SN74LS158	
	National	DM74LS158	
		74LS158	
	Rochester	74LS158	
	SGS-Thomson		
		74LS158	
	Signetics	74LS158	
	TI	SN74LS158	
T74LS164	GoldStar	GD74LS164	
	Hitachi	HD74LS164	
	Motorola	SN74LS164	
	National	DM74LS164	
		74LS164	
	SGS-Thomson		
		74LS164	
	Signetics	74LS164	
	TI	SN74LS164	
T74LS166	Motorola	SN74LS166	
	National	DM74LS166	
	SGS-Thomson		
		74LS166	
	TI	SN74LS166A	
T74LS168	Motorola	SN74LS168	
	SGS-Thomson		
		74LS168	
T74LS169	Motorola	SN74LS169	
	National	DM74LS169A	
		74LS169	
	Rochester	74LS169	
	SGS-Thomson		
		74LS169	
	Signetics	74LS169A	
	TI	SN74LS169B	
T74LS170	Hitachi	HD74LS170	
	Motorola	SN74LS170	
	National	74LS170	
	SGS-Thomson		
		74LS170	
	TI	SN74LS170	
T74LS174	GoldStar	GD74LS174	
	Hitachi	HD74LS174	
	Motorola	SN74LS174	
	National	DM74LS174	
		74LS174	
	SGS-Thomson		
		74LS174	
	Signetics	74LS174	
	TI	SN74LS174	
T74LS175	GoldStar	GD74LS175	
	Hitachi	HD74LS175	
	Motorola	SN74LS175	
	National	DM74LS175	
		74LS175	
	SGS-Thomson		
		74LS175	
	Signetics	74LS175	
	TI	SN74LS175	
T74LS181	Hitachi	HD74LS181	
	Motorola	SN74LS181	
	National	74LS181	
	SGS-Thomson		
		74LS181	
	TI	SN74LS181	
T74LS190	Hitachi	HD74LS190	
	Motorola	SN74LS190	
	National	DM74LS190	
		74LS190	
	SGS-Thomson		
		74LS190	
	TI	SN74LS190	
T74LS191	Hitachi	HD74LS191	
	Motorola	SN74LS191	
	National	DM74LS191	
		74LS191	
	SGS-Thomson		
		74LS191	
	Signetics	74LS191	
	TI	SN74LS191	
T74LS192	Hitachi	HD74LS192	
	Motorola	SN74LS192	
	National	74LS192	
	SGS-Thomson		
		74LS192	
	Signetics	74LS192	
	TI	SN74LS192	
T74LS193	Hitachi	HD74LS193	
	Motorola	SN74LS193	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

SGS-THOMSON (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
T74LS193			(Cont'd)
	National	DM74LS193	
		74LS193	
	SGS-Thomson		
		74LS193	
	Signetics	74LS193	
	TI	SN74LS193	
T74LS194A	GoldStar	GD74LS194A	
	Hitachi	HD74LS194A	
	Motorola	SN74LS194A	
	National	DM74LS194A	
	Rochester	74LS194	
	SGS-Thomson		
		74LS194	
	Signetics	74LS194A	
	TI	SN74LS194A	
T74LS195A	Hitachi	HD74LS195A	
	Motorola	SN74LS195A	
	National	DM74LS195A	
	SGS-Thomson		
		74LS195	
	Signetics	74LS195A	
	TI	SN74LS195A	
T74LS196	Motorola	SN74LS196	
	National	74LS196	
	SGS-Thomson		
		74LS196	
	TI	SN74LS196	
T74LS197	Motorola	SN74LS197	
	National	74LS197	
	SGS-Thomson		
		74LS197	
	Signetics	74LS197	
	TI	SN74LS197	
T74LS20	Hitachi	HD74LS20	
	Motorola	SN74LS20	
	National	DM74LS20	
		74LS20	
	Rochester	74LS20	
	SGS-Thomson		
		74LS20	
	Signetics	74LS20	
	TI	SN74LS20	
T74LS21	GoldStar	GD74LS21	
	Hitachi	HD74LS21	
	Motorola	SN74LS21	
	National	DM74LS21	
		74LS21	
	Rochester	74LS21	
	SGS-Thomson		
		74LS21	
	Signetics	74LS21	
	TI	SN74LS21	
T74LS22	Hitachi	HD74LS22	
	Motorola	SN74LS22	
	SGS-Thomson		
		74LS22	
T74LS240	GoldStar	GD74LS240	
	Hitachi	HD74LS240	
	Motorola	SN74LS240	
	National	DM74LS240	
		74LS240	
	SGS-Thomson		
		74LS240	
	Signetics	74LS240	
	TI	SN74LS240	
T74LS241	GoldStar	GD74LS241	
	Hitachi	HD74LS241	
	Motorola	SN74LS241	
	National	DM74LS241	
		74LS241	
	SGS-Thomson		
		74LS241	
	Signetics	74LS241	
	TI	SN74LS241	
T74LS244	GoldStar	GD74LS244	
	Hitachi	HD74LS244	
	Motorola	SN74LS244	
	National	DM74LS244	
		74LS244	
	SGS-Thomson		
		74LS244	
	Signetics	74LS244	
	TI	SN74LS244	
T74LS245	GoldStar	GD74LS245	
	Hitachi	HD74LS245	
	Motorola	SN74LS245	
	National	DM74LS245	
		74LS245	

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Manufacturer Device	Replacement Source	Device	IC Master Page
T74LS245			(Cont'd)
	Rochester	74LS245	
	SGS-Thomson		
		74LS245	
	Signetics	74LS245	
	TI	SN74LS245	
T74LS251	Hitachi	HD74LS251	
	Motorola	SN74LS251	
	National	DM74LS251	
		74LS251	
	Rochester	74LS251	
	SGS-Thomson		
		74LS251	
	Signetics	74LS251	
	TI	SN74LS251	
T74LS253	Hitachi	HD74LS253	
	Motorola	SN74LS253	
	National	DM74LS253	
		74LS253	
	Rochester	74LS253	
	SGS-Thomson		
		74LS253	
	Signetics	74LS253	
	TI	SN74LS253	
T74LS256	Motorola	SN74LS256	
	National	74LS256	
	SGS-Thomson		
		74LS256	
	Signetics	74LS256	
T74LS257A	GoldStar	GD74LS257A	
	Hitachi	HD74LS257	
	Motorola	SN74LS257A	
	National	DM74LS257B	
		74LS257	
	Rochester	74LS257	
	SGS-Thomson		
		74LS257	
	Signetics	74LS257A	
	TI	SN74LS257B	
T74LS258A	Hitachi	HD74LS258	
	Motorola	SN74LS258A	
	National	DM74LS258B	
		74LS258	
	Rochester	74LS258	
	SGS-Thomson		
		74LS258	
	Signetics	74LS258A	
	TI	SN74LS258B	
T74LS259	Hitachi	HD74LS259	
	Motorola	SN74LS259	
	National	DM74LS259	
		74LS259	
	Rochester	74LS259	
	SGS-Thomson		
		74LS259	
	Signetics	74LS259	
	TI	SN74LS259B	
T74LS26A	Hitachi	HD74LS26	
	Motorola	SN74LS26	
	National	DM74LS26	
		74LS26	
	Rochester	74LS26	
	SGS-Thomson		
		74LS26	
	Signetics	74LS26	
	TI	SN74LS26	
T74LS260	Motorola	SN74LS260	
	National	74LS260	
	SGS-Thomson		
		74LS260	
	Signetics	74LS260	
T74LS266	Hitachi	HD74LS266	
	Motorola	SN74LS266	
	National	74LS266	
	SGS-Thomson		
		74LS266	
	Signetics	74LS266	
	TI	SN74LS266	
T74LS27	GoldStar	GD74LS27	
	Hitachi	HD74LS27	
	Motorola	SN74LS27	
	National	DM74LS27	
		74LS27	
	Rochester	74LS27	
	SGS-Thomson		
		74LS27	
	Signetics	74LS27	
	TI	SN74LS27	
T74LS273	GoldStar	GD74LS273	
	Hitachi	HD74LS273	
	Motorola	SN74LS273	
	National	74LS273	
	SGS-Thomson		
		74LS273	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
T74LS273			(Cont'd)
	Signetics	74LS273	
	TI	SN74LS273	
T74LS279	Hitachi	HD74LS279	
	Motorola	SN74LS279	
	National	DM74LS279	
		74LS279	
	Rochester	74LS279	
	SGS-Thomson		
		74LS279	
	TI	SN74LS279A	
T74LS28	Motorola	SN74LS28	
	National	74LS28	
	SGS-Thomson		
		74LS28	
	TI	SN74LS28	
T74LS280	GoldStar	GD74LS280	
	Hitachi	HD74LS280	
	Motorola	SN74LS280	
	SGS-Thomson		
		74LS280	
	TI	SN74LS280	
T74LS283	Hitachi	HD74LS283A	
	Motorola	SN74LS283	
	National	DM74LS283	
		74LS283	
	SGS-Thomson		
		74LS283	
	Signetics	74LS283	
	TI	SN74LS283	
T74LS293	Hitachi	HD74LS293	
	Motorola	SN74LS293	
	National	DM74LS293	
		74LS293	
	SGS-Thomson		
		74LS293	
	Signetics	74LS293	
	TI	SN74LS293	
T74LS295A	SGS-Thomson		
		74LS295A	
	Signetics	74LS295B	
	TI	SN74LS295B	
T74LS298	Hitachi	HD74LS298	
	Motorola	SN74LS298	
	National	74LS298	
	SGS-Thomson		
		74LS298	
	Signetics	74LS298	
	TI	SN74LS298	
T74LS30	GoldStar	GD74LS30	
	Hitachi	HD74LS30	
	Motorola	SN74LS30	
	National	DM74LS30	
		74LS30	
	Rochester	74LS30	
	SGS-Thomson		
		74LS30	
	Signetics	74LS30	
	TI	SN74LS30	
T74LS32	GoldStar	GD74LS32	
	Hitachi	HD74LS32	
	Motorola	SN74LS32	
	National	DM74LS32	
		74LS32	
	Rochester	74LS32	
	SGS-Thomson		
		74LS32	
	Signetics	74LS32	
	TI	SN74LS32	
T74LS33	Motorola	SN74LS33	
	National	74LS33	
	SGS-Thomson		
		74LS33	
	Signetics	74LS33	
	TI	SN74LS33	
T74LS352	Motorola	SN74LS352	
	National	DM74LS352	
		74LS352	
	SGS-Thomson		
		74LS352	
	Signetics	74LS352	
	TI	SN74LS352	
T74LS353	Motorola	SN74LS353	
	National	74LS353	
	SGS-Thomson		
		74LS353	
	Signetics	74LS353	
	TI	SN74LS353	
T74LS365A	Hitachi	HD74LS365A	
	Motorola	SN74LS365A	
	National	DM74LS365A	
		74LS365	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
T74LS365A			(Cont'd)
	Rochester	74LS365	
	SGS-Thomson		
		74LS365A	
	Signetics	74LS365A	
	TI	SN74LS365A	
T74LS366A	Hitachi	HD74LS366A	
	Motorola	SN74LS366A	
	National	DM74LS366A	
		74LS366	
	SGS-Thomson		
		74LS366A	
	Signetics	74LS366A	
	TI	SN74LS366A	
T74LS367A	GoldStar	GD74LS367A	
	Hitachi	HD74LS367A	
	Motorola	SN74LS367A	
	National	DM74LS367A	
		74LS367	
	Rochester	74LS367	
	SGS-Thomson		
		74LS367A	
	Signetics	74LS367A	
	TI	SN74LS367A	
T74LS368A	Hitachi	HD74LS368A	
	Motorola	SN74LS368A	
	National	DM74LS368A	
		74LS368	
	Rochester	74LS368	
	SGS-Thomson		
		74LS368A	
	Signetics	74LS368A	
	TI	SN74LS368A	
T74LS37	Hitachi	HD74LS37	
	Motorola	SN74LS37	
	National	DM74LS37	
		74LS37	
	Rochester	74LS37	
	SGS-Thomson		
		74LS37	
	Signetics	74LS37	
	TI	SN74LS37	
T74LS373	GoldStar	GD74LS373	
	Hitachi	HD74LS373	
	Motorola	SN74LS373	
	National	DM74LS373	
		74LS373	
	SGS-Thomson		
		74LS373	
	Signetics	74LS373	
	TI	SN74LS373	
T74LS374	GoldStar	GD74LS374	
	Hitachi	HD74LS374	
	Motorola	SN74LS374	
	National	DM74LS374	
		74LS374	
	SGS-Thomson		
		74LS374	
	Signetics	74LS374	
	TI	SN74LS374	
T74LS377	Motorola	SN74LS377	
	National	74LS377	
	SGS-Thomson		
		74LS377	
	Signetics	74LS377	
	TI	SN74LS377	
T74LS378	Motorola	SN74LS378	
	National	74LS378	
	SGS-Thomson		
		74LS378	
	Signetics	74LS378	
	TI	SN74LS378	
T74LS379	Motorola	SN74LS379	
	National	74LS379	
	SGS-Thomson		
		74LS379	
	TI	SN74LS379	
T74LS38	Hitachi	HD74LS38	
	Motorola	SN74LS38	
	National	DM74LS38	
		74LS38	
	Rochester	74LS38	
	SGS-Thomson		
		74LS38	
	Signetics	74LS38	
	TI	SN74LS38	
T74LS390	Hitachi	HD74LS390	
	Motorola	SN74LS390	
	National	DM74LS390	
	SGS-Thomson		
		74LS390	
	Signetics	74LS390	
	TI	SN74LS390	

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The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
SGS-THOMSON			**(Cont'd)**
T74LS393	GoldStar	GD74LS393	
	Hitachi	HD74LS393	
	Motorola	SN74LS393	
	National	DM74LS393	
		74LS393	
	SGS-Thomson		
		74LS393	
	Signetics	74LS393	
	TI	SN74LS393	
T74LS395A	National	74LS395	
	SGS-Thomson		
		74LS395	
	Signetics	74LS395A	
	TI	SN74LS395A	
T74LS399	Motorola	SN74LS399	
	SGS-Thomson		
		74LS399	
	TI	SN74LS399	
T74LS40	Hitachi	HD74LS40	
	Motorola	SN74LS40	
	National	74LS40	
	SGS-Thomson		
		74LS40	
	TI	SN74LS40	
T74LS42	Hitachi	HD74LS42	
	Motorola	SN74LS42	
	National	DM74LS42	
		74LS42	
	Rochester	74LS42	
	SGS-Thomson		
		74LS42	
	Signetics	74LS42	
	TI	SN74LS42	
T74LS490	Hitachi	HD74LS490	
	Motorola	SN74LS490	
	National	74LS490	
	SGS-Thomson		
		74LS490	
	Signetics	74LS490	
T74LS51	Hitachi	HD74LS51	
	Motorola	SN74LS51	
	National	DM74LS51	
		74LS51	
	Rochester	74LS51	
	SGS-Thomson		
		74LS51	
	Signetics	74LS51	
	TI	SN74LS51	
T74LS533	National	74LS533	
T74LS534	National	74LS534	
T74LS54	Hitachi	HD74LS54	
	Motorola	SN74LS54	
	National	74LS54	
	SGS-Thomson		
		74LS54	
	Signetics	74LS54	
	TI	SN74LS54	
T74LS540	Motorola	SN74LS540	
	National	74LS540	
	Signetics	74LS540	
	TI	SN74LS540	
T74LS55	Hitachi	HD74LS55	
	Motorola	SN74LS55	
	National	74LS55	
	Rochester	74LS55	
	SGS-Thomson		
		74LS55	
	TI	SN74LS55	
T74LS670	GoldStar	GD74LS670	
	Motorola	SN74LS670	
	National	DM74LS670	
		74LS670	
	Rochester	74LS670	
	SGS-Thomson		
		74LS670	
	Signetics	74LS670	
	TI	SN74LS670	
T74LS74A	GoldStar	GD74LS74A	
	Hitachi	HD74LS74A	
	Motorola	SN74LS74A	
	National	DM74LS74	
		74LS74	
	Rochester	74LS74	
	SGS-Thomson		
		74LS74	
	Signetics	74LS74A	
	TI	SN74LS74A	
T74LS83A	Hitachi	HD74LS83A	
	Motorola	SN74LS83A	
	National	DM74LS83A	
		74LS83	

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Manufacturer Device	Replacement Source	Device	IC Master Page
T74LS83A			(Cont'd)
	Rochester	74LS83	
	SGS-Thomson		
		74LS83A	
	Signetics	74LS83A	
	TI	SN74LS83A	
T74LS86	GoldStar	GD74LS86	
	Hitachi	HD74LS86	
	Motorola	SN74LS86	
	National	DM74LS86	
		74LS86	
	Rochester	74LS86	
	SGS-Thomson		
		74LS86	
	Signetics	74LS86	
	TI	SN74LS86A	
T74LS95B	Hitachi	HD74LS95B	
	Motorola	SN74LS95B	
	National	74LS95B	
	SGS-Thomson		
		74LS95B	
	Signetics	74LS95B	
	TI	SN74LS95B	
UAA4000	GEC Plessey	SL490	
UA723MJ7B/C			
	TI	UA723MJB	
UCN4801	Allegro		
	Micro	UCN5801	
UC1844	Unitrode	UC1844	
UC2840	Unitrode	UC2840	
UC2842	Unitrode	UC2842	
UC2843	Unitrode	UC2843	
UC3840	Unitrode	UC3840	
UC3842	Astec Semi	AS3842	
	Samsung	KA3842	
	Unitrode	UC3842	
UC3843	Unitrode	UC3843	
UC3845	Astec Semi	AS3845	
UC3846	Samsung	KA3846	
ULN2001	Allegro		
	Micro	ULN2001	
	SiliconG	SG2001	
ULN2002	Allegro		
	Micro	ULN2002	
	SiliconG	SG2002	
ULN2003	Allegro		
	Micro	ULN2003	
	SiliconG	SG2003	
ULN2004	Allegro		
	Micro	ULN2004	
	SiliconG	SG2004	
ULN2064	Allegro		
	Micro	ULN2064	
	SiliconG	SG2064	
ULN2065	Allegro		
	Micro	ULN2065	
	SiliconG	SG2065	
ULN2066	Allegro		
	Micro	ULN2066	
	SiliconG	SG2066	
ULN2067	Allegro		
	Micro	ULN2067	
	SiliconG	SG2067	
ULN2068	Allegro		
	Micro	ULN2068	
	SiliconG	SG2068	
ULN2069	Allegro		
	Micro	ULN2069	
	SiliconG	SG2069	
ULN2070	Allegro		
	Micro	ULN2070	
	SiliconG	SG2070	
ULN2071	Allegro		
	Micro	ULN2071	
	SiliconG	SG2071	
ULN2074	Allegro		
	Micro	ULN2074	
ULN2075	Allegro		
	Micro	ULN2075	
	SiliconG	SG2075	
ULN2076	Allegro		
	Micro	ULN2076	
	SiliconG	SG2076	
ULN2077	Allegro		
	Micro	ULN2077	
	SiliconG	SG2077	
ULN2801	Allegro		
	Micro	ULN2801	
	SiliconG	SG2801	
ULN2802	Allegro		
	Micro	ULN2802	
	SiliconG	SG2802	
ULN2803	SiliconG	SG2803	

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Manufacturer Device	Replacement Source	Device	IC Master Page
ULN2804	Allegro		
	Micro	ULN2804	
	SiliconG	SG2804	
ULN2805	Allegro		
	Micro	ULN2805	
Z80	Micro-C	Z80	
Z80CPU	**Krueger**	**Z80CPU**	**(3548)**
	Micro-C	Z80CPU	
Z80CTC	Krueger	Z80CTC	
Z80DART	Krueger	Z80DART	
Z80DMA	Krueger	Z80DMA	
Z80PIO	Krueger	Z80PIO	
	Micro-C	Z80PIO	
Z80SIO/0	Krueger	Z80SIO/0	
Z80SIO/1	Krueger	Z80SIO/1	
Z80SIO/2	Krueger	Z80SIO/2	
Z80SIO/9	Krueger	Z80SIO/9	
Z8001	Micro-C	Z80CPU	
		8001	
Z8010	Micro-C	8010	
Z8400	Micro-C	Z80CPU	
Z8420	Micro-C	Z80PIO	
Z8422	Micro-C	Z80	
Z8441	Micro-C	Z80	
Z8442	Micro-C	Z80	
Z8470	Micro-C	Z80	
Z8530	Micro-C	8530	
27C1001	Krueger	27C010	
27C64	Krueger	27C64-200	
		27C64-250	
		27C64-300	
54LS00	Motorola	SN54LS00	
	National	DM54LS00	
		54LS00	
	SGS-Thomson		
		T54LS00	
	Signetics	54LS00	
	TI	SN54LS00	
54LS02	Motorola	SN54LS02	
	National	DM54LS02	
		54LS02	
	SGS-Thomson		
		T54LS02	
	Signetics	54LS02	
	TI	SN54LS02	
54LS03	Motorola	SN54LS03	
	National	DM54LS03	
		54LS03	
	Signetics	54LS03	
	TI	SN54LS03	
54LS04	Motorola	SN54LS04	
	National	DM54LS04	
		54LS04	
	SGS-Thomson		
		T54LS04	
	Signetics	54LS04	
	TI	SN54LS04	
54LS05	Motorola	SN54LS05	
	National	DM54LS05	
		54LS05	
	SGS-Thomson		
		T54LS05A	
	Signetics	54LS05	
	TI	SN54LS05	
♦ 54LS08	Motorola	SN54LS08	
	National	DM54LS08	
		54LS08	
♦ 54LS08	Signetics	54LS08	
	TI	SN54LS08	
54LS09	Motorola	SN54LS09	
	National	DM54LS09	
		54LS09	
	SGS-Thomson		
		T54LS09	
	Signetics	54LS09	
	TI	SN54LS09	
54LS10	Motorola	SN54LS10	
	National	DM54LS10	
		54LS10	
	SGS-Thomson		
		T54LS10	
	Signetics	54LS10	
	TI	SN54LS10	
♦ 54LS109	Motorola	SN54LS109A	
	National	DM54LS109	
		54LS109	
♦ 54LS109	Signetics	54LS109	
	TI	SN54LS109A	
54LS11	Motorola	SN54LS11	
	National	DM54LS11	
		54LS11	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS11			(Cont'd)
	SGS-Thomson		
		T54LS11	
	Signetics	54LS11	
	TI	SN54LS11	
♦ 54LS112	Motorola	SN54LS112A	
	National	54LS112	
	Signetics	54LS112	
	TI	SN54LS112A	
♦ 54LS113	Motorola	SN54LS113A	
	National	54LS113	
	Signetics	54LS113	
54LS125A	Motorola	SN54LS125A	
	National	DM54LS125A	
		54LS125A	
	Signetics	54LS125A	
	TI	SN54LS125A	
54LS126	Motorola	SN54LS126A	
	National	54LS126	
	Signetics	54LS126A	
	TI	SN54LS126A	
54LS132	Motorola	SN54LS132	
	National	DM54LS132	
	SGS-Thomson		
		T54LS132	
	Signetics	54LS132	
		54LS132A	
	TI	SN54LS132	
♦ 54LS133	Motorola	SN54LS133	
	National	54LS133	
54LS136	Motorola	SN54LS136	
	National	DM54LS136	
		54LS136	
	SGS-Thomson		
		T54LS136	
	Signetics	54LS136	
	TI	SN54LS136	
54LS138	Motorola	SN54LS138	
	National	DM54LS138	
		54LS138	
	SGS-Thomson		
		T54LS138	
	Signetics	54LS138	
	TI	SN54LS138	
54LS139	Motorola	SN54LS139	
	National	DM54LS139	
		54LS139	
	SGS-Thomson		
		T54LS139	
	Signetics	54LS139	
	TI	SN54LS139A	
54LS14	Motorola	SN54LS14	
	National	54LS14	
	SGS-Thomson		
		T54LS14	
	Signetics	54LS14	
	TI	SN54LS14	
54LS15	Motorola	SN54LS15	
	National	54LS15	
	SGS-Thomson		
		T54LS15	
	TI	SN54LS15	
54LS151	Motorola	SN54LS151	
	National	DM54LS151	
		54LS151	
	SGS-Thomson		
		T54LS151	
	Signetics	54LS151	
	TI	SN54LS151	
♦ 54LS153	Motorola	SN54LS153	
	National	DM54LS153	
		54LS153	
♦ 54LS153	Signetics	54LS153	
	TI	SN54LS153	
54LS155	Motorola	SN54LS155	
	National	DM54LS155	
		54LS155	
	SGS-Thomson		
		T54LS155	
	Signetics	54LS155	
	TI	SN54LS155A	
54LS156	Motorola	SN54LS156	
	National	DM54LS156	
		54LS156	
	SGS-Thomson		
		T54LS156	
	Signetics	54LS156	
	TI	SN54LS156	
54LS157	Motorola	SN54LS157	
	National	DM54LS157	
		54LS157	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

SGS-THOMSON (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
54LS157 (Cont'd)			
	SGS-Thomson	T54LS157	
	Signetics	54LS157	
	TI	SN54LS157	
54LS158	Motorola	SN54LS158	
	National	DM54LS158	
		54LS158	
	SGS-Thomson	T54LS158	
	Signetics	54LS158	
	TI	SN54LS158	
♦ 54LS160	Motorola	SN54LS160A	
	National	54LS160A	
	Signetics	54LS160A	
	TI	SN54LS160A	
♦ 54LS161	Motorola	SN54LS161A	
	National	DM54LS161A	
		54LS161	
♦ 54LS161	Signetics	54LS161A	
	TI	SN54LS161A	
♦ 54LS162	Motorola	SN54LS162A	
	National	54LS162A	
	Signetics	54LS162A	
	TI	SN54LS162A	
♦ 54LS164	Motorola	SN54LS164	
	National	DM54LS164	
		54LS164	
♦ 54LS164	Signetics	54LS164	
		54LS164B	
♦ 54LS164	TI	SN54LS164	
54LS170	Motorola	SN54LS170	
	National	54LS170	
	SGS-Thomson	T54LS170	
	Signetics	54LS170	
	TI	SN54LS170	
54LS174	Motorola	SN54LS174	
	National	DM54LS174	
		54LS174	
	SGS-Thomson	T54LS174	
	Signetics	54LS174	
	TI	SN54LS174	
54LS175	Motorola	SN54LS175	
	National	DM54LS175	
		54LS175	
	SGS-Thomson	T54LS175	
	Signetics	54LS175	
	TI	SN54LS175	
♦ 54LS181	Motorola	SN54LS181	
	National	54LS181	
	Signetics	54LS181	
	TI	SN54LS181	
♦ 54LS190	Motorola	SN54LS190	
	National	DM54LS190	
	Signetics	54LS190	
	TI	SN54LS190	
♦ 54LS191	Motorola	SN54LS191	
	National	DM54LS191	
	Signetics	54LS191	
	TI	SN54LS191	
54LS192	Motorola	SN54LS192	
	National	54LS192	
	SGS-Thomson	T54LS192	
	Signetics	54LS192	
	TI	SN54LS192	
54LS193	Motorola	SN54LS193	
	National	DM54LS193	
		54LS193	
	SGS-Thomson	T54LS193	
	Signetics	54LS193	
	TI	SN54LS193	
54LS195A	Motorola	SN54LS195A	
	National	54LS195	
	SGS-Thomson	T54LS195A	
	TI	SN54LS195A	
♦ 54LS196	Motorola	SN54LS196	
	TI	SN54LS196	
♦ 54LS197	Motorola	SN54LS197	
	Signetics	54LS197	
	TI	SN54LS197	
54LS20	Motorola	SN54LS20	
	National	DM54LS20	
		54LS20	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS20 (Cont'd)			
	SGS-Thomson	T54LS20	
	Signetics	54LS20	
	TI	SN54LS20	
♦ 54LS21	Motorola	SN54LS21	
	National	DM54LS21	
		54LS21	
♦ 54LS21	Signetics	54LS21	
	TI	SN54LS21	
54LS22	Motorola	SN54LS22	
	National	54LS22	
	SGS-Thomson	T54LS22	
	TI	SN54LS22	
54LS240	Motorola	SN54LS240	
	National	DM54LS240	
		54LS240	
	SGS-Thomson	T54LS240	
	Signetics	54LS240	
	TI	SN54LS240	
♦ 54LS251	Motorola	SN54LS251	
	National	DM54LS251	
	Signetics	54LS251	
	TI	SN54LS251	
♦ 54LS253	Motorola	SN54LS253	
	National	DM54LS253	
		54LS253	
♦ 54LS253	Signetics	54LS253	
	TI	SN54LS253	
♦ 54LS257	Motorola	SN54LS257A	
	National	DM54LS257B	
		54LS257A	
♦ 54LS257	Signetics	54LS257A	
	TI	SN54LS257B	
54LS258	Motorola	SN54LS258A	
	National	DM54LS258B	
		54LS258A	
	SGS-Thomson	T54LS258A	
	Signetics	54LS258A	
	TI	SN54LS258B	
54LS259	Motorola	SN54LS259	
	National	DM54LS259	
		54LS259	
	SGS-Thomson	T54LS259	
	Signetics	54LS259	
	TI	SN54LS259B	
54LS266	Motorola	SN54LS266	
	National	54LS266	
	SGS-Thomson	T54LS266	
	Signetics	54LS266	
	TI	SN54LS266	
54LS27	Motorola	SN54LS27	
	National	DM54LS27	
		54LS27	
	SGS-Thomson	T54LS27	
	Signetics	54LS27	
	TI	SN54LS27	
54LS273	Motorola	SN54LS273	
	National	54LS273	
	SGS-Thomson	T54LS273	
	Signetics	54LS273	
	TI	SN54LS273	
54LS279	Motorola	SN54LS279	
	National	DM54LS279	
		54LS279	
	SGS-Thomson	T54LS279	
	Signetics	54LS279	
	TI	SN54LS279A	
54LS280	Motorola	SN54LS280	
	SGS-Thomson	T54LS280	
	TI	SN54LS280	
54LS283	Motorola	SN54LS283	
	National	DM54LS283	
		54LS283	
	Signetics	54LS283	
	TI	SN54LS283	
54LS290	Motorola	SN54LS290	
	Signetics	54LS290	
	TI	SN54LS290	
54LS293	Motorola	SN54LS293	
	SGS-Thomson	T54LS293	
	Signetics	54LS293	
	TI	SN54LS293	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 54LS295A	Signetics	54LS295B	
	TI	SN54LS295B	
54LS298	Motorola	SN54LS298	
	National	54LS298	
	Signetics	54LS298	
	TI	SN54LS298	
54LS30	Motorola	SN54LS30	
	National	DM54LS30	
		54LS30	
	SGS-Thomson	T54LS30	
	Signetics	54LS30	
	TI	SN54LS30	
54LS32	Motorola	SN54LS32	
	National	DM54LS32	
		54LS32	
	SGS-Thomson	T54LS32	
	Signetics	54LS32	
	TI	SN54LS32	
54LS365	Motorola	SN54LS365A	
	National	DM54LS365A	
		54LS365	
	SGS-Thomson	T54LS365A	
	Signetics	54LS365A	
	TI	SN54LS365A	
54LS366	Motorola	SN54LS366A	
	National	DM54LS366A	
		54LS366	
	SGS-Thomson	T54LS366A	
	Signetics	54LS366A	
	TI	SN54LS366A	
54LS367	Motorola	SN54LS367A	
	National	DM54LS367A	
		54LS367	
	SGS-Thomson	T54LS367A	
	Signetics	54LS367A	
	TI	SN54LS367A	
54LS368	Motorola	SN54LS368A	
	National	DM54LS368A	
		54LS368	
	SGS-Thomson	T54LS368A	
	Signetics	54LS368A	
	TI	SN54LS368A	
54LS37	Motorola	SN54LS37	
	National	DM54LS37	
		54LS37	
	SGS-Thomson	T54LS37	
	Signetics	54LS37	
	TI	SN54LS37	
54LS373	Motorola	SN54LS373	
	National	DM54LS373	
	SGS-Thomson	T54LS373	
	Signetics	54LS373	
	TI	SN54LS373	
54LS374	Motorola	SN54LS374	
	National	DM54LS374	
		54LS374	
	SGS-Thomson	T54LS374	
	Signetics	54LS374	
	TI	SN54LS374	
54LS377	Motorola	SN54LS377	
	National	54LS377	
	SGS-Thomson	T54LS377	
	Signetics	54LS377	
	TI	SN54LS377	
54LS38	Motorola	SN54LS38	
	National	DM54LS38	
		54LS38	
	SGS-Thomson	T54LS38	
	Signetics	54LS38	
	TI	SN54LS38	
54LS390	Motorola	SN54LS390	
	SGS-Thomson	T54LS390	
	Signetics	54LS390	
	TI	SN54LS390	
54LS40	Motorola	SN54LS40	
	National	54LS40	
	SGS-Thomson	T54LS40	
	Signetics	54LS40	
	TI	SN54LS40	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
54LS42	Motorola	SN54LS42	
	National	DM54LS42	
		54LS42	
	SGS-Thomson	T54LS42	
	Signetics	54LS42	
	TI	SN54LS42	
54LS54	Motorola	SN54LS54	
	National	54LS54	
	SGS-Thomson	T54LS54	
	Signetics	54LS54	
	TI	SN54LS54	
54LS55	Motorola	SN54LS55	
	National	54LS55	
	SGS-Thomson	T54LS55	
54LS670	Motorola	SN54LS670	
	National	DM54LS670	
		54LS670	
	Signetics	54LS670	
	TI	SN54LS670	
54LS74	Motorola	SN54LS74A	
	National	DM54LS74	
		54LS74	
	SGS-Thomson	T54LS74A	
	Signetics	54LS74A	
	TI	SN54LS74A	
54LS83A	Motorola	SN54LS83A	
	National	DM54LS83A	
		54LS83A	
	Signetics	54LS83A	
	TI	SN54LS83A	
♦ 54LS85	Motorola	SN54LS85	
	National	DM54LS85	
		54LS85	
♦ 54LS85	Signetics	54LS85	
	TI	SN54LS85	
♦ 54LS86	Motorola	SN54LS86	
	National	DM54LS86	
	Signetics	54LS86	
	TI	SN54LS86A	
♦ 54LS90	Motorola	SN54LS90	
	Signetics	54LS90	
	TI	SN54LS90	
♦ 54LS92	Motorola	SN54LS92	
	Signetics	54LS92	
	TI	SN54LS92	
54LS93	Motorola	SN54LS93	
	SGS-Thomson	T54LS93	
	Signetics	54LS93	
	TI	SN54LS93	
♦ 54LS95B	Motorola	SN54LS95B	
	National	54LS95B	
	Signetics	54LS95B	
	TI	SN54LS95B	
74LS00	GoldStar	GD74LS00	
	Hitachi	HD74LS00	
	Motorola	SN74LS00	
	National	DM74LS00	
		74LS00	
	Rochester	74LS00	
	SGS-Thomson	T74LS00	
	Signetics	74LS00	
	TI	SN74LS00	
74LS01	Hitachi	HD74LS01	
	Motorola	SN74LS01	
	SGS-Thomson	T74LS01	
	Signetics	74LS01	
	TI	SN74LS01	
74LS02	GoldStar	GD74LS02	
	Hitachi	HD74LS02	
	Motorola	SN74LS02	
	National	DM74LS02	
		74LS02	
	SGS-Thomson	T74LS02	
	Signetics	74LS02	
	TI	SN74LS02	
74LS03	Hitachi	HD74LS03	
	Motorola	SN74LS03	
	National	DM74LS03	
		74LS03	
	Rochester	74LS03	
	SGS-Thomson	T74LS03A	
	TI	SN74LS03	
74LS04	GoldStar	GD74LS04	
	Hitachi	HD74LS04	
	Motorola	SN74LS04	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

SGS-THOMSON (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS04			(Cont'd)
	National	DM74LS04	
		74LS04	
	Rochester	74LS04	
	SGS-Thomson		
		T74LS04	
	Signetics	74LS04	
	TI	SN74LS04	
74LS05	GoldStar	GD74LS05	
	Hitachi	HD74LS05	
	Motorola	SN74LS05	
	National	DM74LS05	
		74LS05	
	Rochester	74LS05	
	SGS-Thomson		
		T74LS05A	
	Signetics	74LS05	
	TI	SN74LS05	
74LS08	GoldStar	GD74LS08	
	Hitachi	HD74LS08	
	Motorola	SN74LS08	
	National	DM74LS08	
		74LS08	
	Rochester	74LS08	
	SGS-Thomson		
		T74LS08	
	Signetics	74LS08	
	TI	SN74LS08	
74LS09	Hitachi	HD74LS09	
	Motorola	SN74LS09	
	National	DM74LS09	
		74LS09	
	Rochester	74LS09	
	SGS-Thomson		
		T74LS09	
	Signetics	74LS09	
	TI	SN74LS09	
74LS10	GoldStar	GD74LS10	
	Hitachi	HD74LS10	
	Motorola	SN74LS10	
	National	DM74LS10	
		74LS10	
	Rochester	74LS10	
	SGS-Thomson		
		T74LS10	
	Signetics	74LS10	
	TI	SN74LS10	
♦ 74LS109	Hitachi	HD74LS109A	
	Motorola	SN74LS109A	
	National	DM74LS109	
		74LS109	
♦ 74LS109	SGS-Thomson		
		T74LS109A	
	Signetics	74LS109	
	TI	SN74LS109A	
74LS11	GoldStar	GD74LS11	
	Hitachi	HD74LS11	
	Motorola	SN74LS11	
	National	DM74LS11	
		74LS11	
	Rochester	74LS11	
	SGS-Thomson		
		T74LS11	
	Signetics	74LS11	
	TI	SN74LS11	
♦ 74LS112	Hitachi	HD74LS112	
	Motorola	SN74LS112A	
	National	DM74LS112	
		74LS112	
♦ 74LS112	SGS-Thomson		
		T74LS112A	
	Signetics	74LS112	
	TI	SN74LS112A	
♦ 74LS113	Hitachi	HD74LS113	
	Motorola	SN74LS113A	
	Rochester	74LS113	
	SGS-Thomson		
		T74LS113A	
	Signetics	74LS113	
	TI	SN74LS113A	
74LS12	Hitachi	HD74LS12	
	Motorola	SN74LS12	
	National	DM74LS12	
		74LS12	
	Rochester	74LS12	
	SGS-Thomson		
		T74LS12	
	TI	SN74LS12	
74LS125A	GoldStar	GD74LS125A	
	Hitachi	HD74LS125A	
	Motorola	SN74LS125A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74LS125A			(Cont'd)
	National	DM74LS125A	
		74LS125	
	SGS-Thomson		
		T74LS125A	
	Signetics	74LS125A	
	TI	SN74LS125A	
74LS126	Hitachi	HD74LS126A	
	Motorola	SN74LS126A	
	National	DM74LS126	
		74LS126	
	SGS-Thomson		
		T74LS126A	
	Signetics	74LS126A	
	TI	SN74LS126A	
74LS13	Hitachi	HD74LS13	
	Motorola	SN74LS13	
	National	74LS13	
	SGS-Thomson		
		T74LS13	
	Signetics	74LS13	
	TI	SN74LS13	
74LS132	Hitachi	HD74LS132	
	Motorola	SN74LS132	
	National	DM74LS132	
		74LS132	
	SGS-Thomson		
		T74LS132	
	Signetics	74LS132	
	TI	SN74LS132	
74LS133	Motorola	SN74LS133	
	National	74LS133	
	SGS-Thomson		
		T74LS133	
74LS136	Hitachi	HD74LS136	
	Motorola	SN74LS136	
	National	74LS136	
	SGS-Thomson		
		T74LS136	
	Signetics	74LS136	
	TI	SN74LS136	
74LS138	GoldStar	GD74LS138	
	Hitachi	HD74LS138	
	Motorola	SN74LS138	
	National	DM74LS138	
		74LS138	
	SGS-Thomson		
		T74LS138	
	Signetics	74LS138	
	TI	SN74LS138	
74LS139	GoldStar	GD74LS139	
	Hitachi	HD74LS139	
	Motorola	SN74LS139	
	National	DM74LS139	
		74LS139	
	SGS-Thomson		
		T74LS139	
	Signetics	74LS139	
	TI	SN74LS139A	
74LS14	GoldStar	GD74LS14	
	Hitachi	HD74LS14	
	Motorola	SN74LS14	
	National	DM74LS14	
		74LS14	
	SGS-Thomson		
		T74LS14	
	Signetics	74LS14	
	TI	SN74LS14	
74LS15	Hitachi	HD74LS15	
	Motorola	SN74LS15	
	National	74LS15	
	SGS-Thomson		
		T74LS15	
	TI	SN74LS15	
74LS151	Hitachi	HD74LS151A	
	Motorola	SN74LS151	
	National	DM74LS151	
		74LS151	
	SGS-Thomson		
		T74LS151	
	Signetics	74LS151	
	TI	SN74LS151	
74LS152	Hitachi	HD74LS152	
	Rochester	74LS152	
	SGS-Thomson		
		T74LS152	
74LS153	GoldStar	GD74LS153	
	Hitachi	HD74LS153	
	Motorola	SN74LS153	
	National	DM74LS153	
		74LS153	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74LS153			(Cont'd)
	SGS-Thomson		
		T74LS153	
	Signetics	74LS153	
	TI	SN74LS153	
74LS155	Hitachi	HD74LS155	
	Motorola	SN74LS155	
	National	DM74LS155	
		74LS155	
	SGS-Thomson		
		T74LS155	
	Signetics	74LS155	
	TI	SN74LS155A	
74LS156	Hitachi	HD74LS156	
	Motorola	SN74LS156	
	National	DM74LS156	
		74LS156	
	SGS-Thomson		
		T74LS156	
	Signetics	74LS156	
	TI	SN74LS156	
74LS157	GoldStar	GD74LS157	
	Hitachi	HD74LS157	
	Motorola	SN74LS157	
	National	DM74LS157	
		74LS157	
	SGS-Thomson		
		T74LS157	
	Signetics	74LS157	
	TI	SN74LS157	
74LS158	GoldStar	GD74LS158	
	Hitachi	HD74LS158	
	Motorola	SN74LS158	
	National	DM74LS158	
		74LS158	
	Rochester	74LS158	
	SGS-Thomson		
		T74LS158	
	Signetics	74LS158	
	TI	SN74LS158	
♦ 74LS160	Hitachi	HD74LS160A	
	Motorola	SN74LS160A	
	National	74LS160	
	Signetics	74LS160A	
	TI	SN74LS160A	
♦ 74LS161	GoldStar	GD74LS161A	
	Hitachi	HD74LS161A	
	Motorola	SN74LS161A	
	National	DM74LS161A	
		74LS161	
♦ 74LS161	Signetics	74LS161A	
	TI	SN74LS161A	
♦ 74LS162	Hitachi	HD74LS162A	
	Motorola	SN74LS162A	
	National	74LS162	
	Signetics	74LS162A	
	TI	SN74LS162A	
♦ 74LS163	GoldStar	GD74LS163A	
	Hitachi	HD74LS163A	
	Motorola	SN74LS163A	
	National	DM74LS163A	
		74LS163	
♦ 74LS163	Signetics	74LS163A	
	TI	SN74LS163A	
74LS164	GoldStar	GD74LS164	
	Hitachi	HD74LS164	
	Motorola	SN74LS164	
	National	DM74LS164	
		74LS164	
	SGS-Thomson		
		T74LS164	
	Signetics	74LS164	
	TI	SN74LS164	
74LS166	Motorola	SN74LS166	
	National	DM74LS166	
	SGS-Thomson		
		T74LS166	
	TI	SN74LS166A	
74LS168	Motorola	SN74LS168	
	SGS-Thomson		
		T74LS168	
74LS169	Motorola	SN74LS169	
	National	DM74LS169A	
		74LS169	
	Rochester	74LS169	
	SGS-Thomson		
		T74LS169	
	Signetics	74LS169A	
	TI	SN74LS169B	
74LS170	Hitachi	HD74LS170	
	Motorola	SN74LS170	
	National	74LS170	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74LS170			(Cont'd)
	SGS-Thomson		
		T74LS170	
	TI	SN74LS170	
74LS174	GoldStar	GD74LS174	
	Hitachi	HD74LS174	
	Motorola	SN74LS174	
	National	DM74LS174	
		74LS174	
	SGS-Thomson		
		T74LS174	
	Signetics	74LS174	
	TI	SN74LS174	
74LS175	GoldStar	GD74LS175	
	Hitachi	HD74LS175	
	Motorola	SN74LS175	
	National	DM74LS175	
		74LS175	
	SGS-Thomson		
		T74LS175	
	Signetics	74LS175	
	TI	SN74LS175	
74LS181	Hitachi	HD74LS181	
	Motorola	SN74LS181	
	National	74LS181	
	SGS-Thomson		
		T74LS181	
	TI	SN74LS181	
74LS190	Hitachi	HD74LS190	
	Motorola	SN74LS190	
	National	DM74LS190	
		74LS190	
	SGS-Thomson		
		T74LS190	
	TI	SN74LS190	
74LS191	Hitachi	HD74LS191	
	Motorola	SN74LS191	
	National	DM74LS191	
		74LS191	
	SGS-Thomson		
		T74LS191	
	Signetics	74LS191	
	TI	SN74LS191	
74LS192	Hitachi	HD74LS192	
	Motorola	SN74LS192	
	National	74LS192	
	SGS-Thomson		
		T74LS192	
	Signetics	74LS192	
	TI	SN74LS192	
74LS193	Hitachi	HD74LS193	
	Motorola	SN74LS193	
	National	DM74LS193	
		74LS193	
	SGS-Thomson		
		T74LS193	
	Signetics	74LS193	
	TI	SN74LS193	
74LS194	GoldStar	GD74LS194A	
	Hitachi	HD74LS194A	
	Motorola	SN74LS194A	
	National	DM74LS194A	
	Rochester	74LS194	
	SGS-Thomson		
		T74LS194A	
	Signetics	74LS194A	
	TI	SN74LS194A	
74LS195	Hitachi	HD74LS195A	
	Motorola	SN74LS195A	
	National	DM74LS195A	
	SGS-Thomson		
		T74LS195A	
	Signetics	74LS195A	
	TI	SN74LS195A	
74LS196	Motorola	SN74LS196	
	National	74LS196	
	SGS-Thomson		
		T74LS196	
	TI	SN74LS196	
74LS197	Motorola	SN74LS197	
	National	74LS197	
	SGS-Thomson		
		T74LS197	
	Signetics	74LS197	
	TI	SN74LS197	
74LS20	Hitachi	HD74LS20	
	Motorola	SN74LS20	
	National	DM74LS20	
		74LS20	
	Rochester	74LS20	
	SGS-Thomson		
		T74LS20	
	Signetics	74LS20	
	TI	SN74LS20	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
74LS21	GoldStar	GD74LS21	
	Hitachi	HD74LS21	
	Motorola	SN74LS21	
	National	DM74LS21	
		74LS21	
	Rochester	74LS21	
	SGS-Thomson		
		T74LS21	
	Signetics	74LS21	
	TI	SN74LS21	
74LS22	Hitachi	HD74LS22	
	Motorola	SN74LS22	
	SGS-Thomson		
		T74LS22	
74LS240	GoldStar	GD74LS240	
	Hitachi	HD74LS240	
	Motorola	SN74LS240	
	National	DM74LS240	
		74LS240	
	SGS-Thomson		
		T74LS240	
	Signetics	74LS240	
	TI	SN74LS240	
74LS241	GoldStar	GD74LS241	
	Hitachi	HD74LS241	
	Motorola	SN74LS241	
	National	DM74LS241	
		74LS241	
	SGS-Thomson		
		T74LS241	
	Signetics	74LS241	
	TI	SN74LS241	
74LS244	GoldStar	GD74LS244	
	Hitachi	HD74LS244	
	Motorola	SN74LS244	
	National	DM74LS244	
		74LS244	
	SGS-Thomson		
		T74LS244	
	Signetics	74LS244	
	TI	SN74LS244	
74LS245	GoldStar	GD74LS245	
	Hitachi	HD74LS245	
	Motorola	SN74LS245	
	National	DM74LS245	
		74LS245	
	Rochester	74LS245	
	SGS-Thomson		
		T74LS245	
	Signetics	74LS245	
	TI	SN74LS245	
74LS251	Hitachi	HD74LS251	
	Motorola	SN74LS251	
	National	DM74LS251	
		74LS251	
	Rochester	74LS251	
	SGS-Thomson		
		T74LS251	
	Signetics	74LS251	
	TI	SN74LS251	
74LS253	Hitachi	HD74LS253	
	Motorola	SN74LS253	
	National	DM74LS253	
		74LS253	
	Rochester	74LS253	
	SGS-Thomson		
		T74LS253	
	Signetics	74LS253	
	TI	SN74LS253	
74LS256	Motorola	SN74LS256	
	National	74LS256	
	SGS-Thomson		
		T74LS256	
	Signetics	74LS256	
74LS257	GoldStar	GD74LS257A	
	Hitachi	HD74LS257	
	Motorola	SN74LS257A	
	National	DM74LS257B	
		74LS257	
	Rochester	74LS257	
	SGS-Thomson		
		T74LS257A	
	Signetics	74LS257A	
	TI	SN74LS257B	
74LS258	Hitachi	HD74LS258	
	Motorola	SN74LS258A	
	National	DM74LS258B	
		74LS258	
	Rochester	74LS258	
	SGS-Thomson		
		T74LS258A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74LS258			(Cont'd)
	Signetics	74LS258A	
	TI	SN74LS258B	
74LS259	Hitachi	HD74LS259	
	Motorola	SN74LS259	
	National	DM74LS259	
		74LS259	
	Rochester	74LS259	
	SGS-Thomson		
		T74LS259	
	Signetics	74LS259	
	TI	SN74LS259B	
74LS26	Hitachi	HD74LS26	
	Motorola	SN74LS26	
	National	DM74LS26	
		74LS26	
	Rochester	74LS26	
	SGS-Thomson		
		T74LS26A	
	Signetics	74LS26	
	TI	SN74LS26	
74LS260	Motorola	SN74LS260	
	National	74LS260	
	SGS-Thomson		
		T74LS260	
	Signetics	74LS260	
74LS266	Hitachi	HD74LS266	
	Motorola	SN74LS266	
	National	74LS266	
	SGS-Thomson		
		T74LS266	
	Signetics	74LS266	
	TI	SN74LS266	
74LS27	GoldStar	GD74LS27	
	Hitachi	HD74LS27	
	Motorola	SN74LS27	
	National	DM74LS27	
		74LS27	
	Rochester	74LS27	
	SGS-Thomson		
		T74LS27	
	Signetics	74LS27	
	TI	SN74LS27	
74LS273	GoldStar	GD74LS273	
	Hitachi	HD74LS273	
	Motorola	SN74LS273	
	National	74LS273	
	SGS-Thomson		
		T74LS273	
	Signetics	74LS273	
	TI	SN74LS273	
74LS279	Hitachi	HD74LS279	
	Motorola	SN74LS279	
	National	DM74LS279	
		74LS279	
	Rochester	74LS279	
	SGS-Thomson		
		T74LS279	
	TI	SN74LS279A	
74LS28	Motorola	SN74LS28	
	National	74LS28	
	SGS-Thomson		
		T74LS28	
	TI	SN74LS28	
74LS280	GoldStar	GD74LS280	
	Hitachi	HD74LS280	
	Motorola	SN74LS280	
	SGS-Thomson		
		T74LS280	
	TI	SN74LS280	
74LS283	Hitachi	HD74LS283A	
	Motorola	SN74LS283	
	National	DM74LS283	
		74LS283	
	SGS-Thomson		
		T74LS283	
	Signetics	74LS283	
	TI	SN74LS283	
♦ 74LS290	Hitachi	HD74LS290	
	Motorola	SN74LS290	
	National	DM74LS290	
		74LS290	
♦ 74LS290	Signetics	74LS290	
	TI	SN74LS290	
74LS293	Hitachi	HD74LS293	
	Motorola	SN74LS293	
	National	DM74LS293	
		74LS293	
	SGS-Thomson		
		T74LS293	
	Signetics	74LS293	
	TI	SN74LS293	

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS295A	SGS-Thomson		
		T74LS295A	
	Signetics	74LS295B	
	TI	SN74LS295B	
74LS298	Hitachi	HD74LS298	
	Motorola	SN74LS298	
	National	74LS298	
	SGS-Thomson		
		T74LS298	
	Signetics	74LS298	
	TI	SN74LS298	
74LS30	GoldStar	GD74LS30	
	Hitachi	HD74LS30	
	Motorola	SN74LS30	
	National	DM74LS30	
		74LS30	
	Rochester	74LS30	
	SGS-Thomson		
		T74LS30	
	Signetics	74LS30	
	TI	SN74LS30	
74LS32	GoldStar	GD74LS32	
	Hitachi	HD74LS32	
	Motorola	SN74LS32	
	National	DM74LS32	
		74LS32	
	Rochester	74LS32	
	SGS-Thomson		
		T74LS32	
	Signetics	74LS32	
	TI	SN74LS32	
74LS33	Motorola	SN74LS33	
	National	74LS33	
	SGS-Thomson		
		T74LS33	
	Signetics	74LS33	
	TI	SN74LS33	
74LS352	Motorola	SN74LS352	
	National	DM74LS352	
		74LS352	
	SGS-Thomson		
		T74LS352	
	Signetics	74LS352	
	TI	SN74LS352	
74LS353	Motorola	SN74LS353	
	National	74LS353	
	SGS-Thomson		
		T74LS353	
	Signetics	74LS353	
	TI	SN74LS353	
74LS365A	Hitachi	HD74LS365A	
	Motorola	SN74LS365A	
	National	DM74LS365A	
		74LS365	
	Rochester	74LS365	
	SGS-Thomson		
		T74LS365A	
	Signetics	74LS365A	
	TI	SN74LS365A	
74LS366A	Hitachi	HD74LS366A	
	Motorola	SN74LS366A	
	National	DM74LS366A	
		74LS366	
	SGS-Thomson		
		T74LS366A	
	Signetics	74LS366A	
	TI	SN74LS366A	
74LS367A	GoldStar	GD74LS367A	
	Hitachi	HD74LS367A	
	Motorola	SN74LS367A	
	National	DM74LS367A	
		74LS367	
	Rochester	74LS367	
	SGS-Thomson		
		T74LS367A	
	Signetics	74LS367A	
	TI	SN74LS367A	
74LS368A	Hitachi	HD74LS368A	
	Motorola	SN74LS368A	
	National	DM74LS368A	
		74LS368	
	Rochester	74LS368	
	SGS-Thomson		
		T74LS368A	
	Signetics	74LS368A	
	TI	SN74LS368A	
74LS37	Hitachi	HD74LS37	
	Motorola	SN74LS37	
	National	DM74LS37	
		74LS37	
	Rochester	74LS37	
	SGS-Thomson		
		T74LS37	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS37			(Cont'd)
	Signetics	74LS37	
	TI	SN74LS37	
74LS373	GoldStar	GD74LS373	
	Hitachi	HD74LS373	
	Motorola	SN74LS373	
	National	DM74LS373	
		74LS373	
	SGS-Thomson		
		T74LS373	
	Signetics	74LS373	
	TI	SN74LS373	
74LS374	GoldStar	GD74LS374	
	Hitachi	HD74LS374	
	Motorola	SN74LS374	
	National	DM74LS374	
		74LS374	
	SGS-Thomson		
		T74LS374	
	Signetics	74LS374	
	TI	SN74LS374	
74LS377	Motorola	SN74LS377	
	National	74LS377	
	SGS-Thomson		
		T74LS377	
	Signetics	74LS377	
	TI	SN74LS377	
74LS378	Motorola	SN74LS378	
	National	74LS378	
	SGS-Thomson		
		T74LS378	
	Signetics	74LS378	
	TI	SN74LS378	
74LS379	Motorola	SN74LS379	
	National	74LS379	
	SGS-Thomson		
		T74LS379	
	TI	SN74LS379	
74LS38	Hitachi	HD74LS38	
	Motorola	SN74LS38	
	National	DM74LS38	
		74LS38	
	Rochester	74LS38	
	SGS-Thomson		
		T74LS38	
	Signetics	74LS38	
	TI	SN74LS38	
74LS390	Hitachi	HD74LS390	
	Motorola	SN74LS390	
	National	DM74LS390	
	SGS-Thomson		
		T74LS390	
	Signetics	74LS390	
	TI	SN74LS390	
74LS393	GoldStar	GD74LS393	
	Hitachi	HD74LS393	
	Motorola	SN74LS393	
	National	DM74LS393	
		74LS393	
	SGS-Thomson		
		T74LS393	
	Signetics	74LS393	
	TI	SN74LS393	
74LS395	National	74LS395	
	SGS-Thomson		
		T74LS395A	
	Signetics	74LS395A	
	TI	SN74LS395A	
74LS399	Motorola	SN74LS399	
	SGS-Thomson		
		T74LS399	
	TI	SN74LS399	
74LS40	Hitachi	HD74LS40	
	Motorola	SN74LS40	
	National	74LS40	
	SGS-Thomson		
		T74LS40	
	TI	SN74LS40	
74LS42	Hitachi	HD74LS42	
	Motorola	SN74LS42	
	National	DM74LS42	
		74LS42	
	Rochester	74LS42	
	SGS-Thomson		
		T74LS42	
	Signetics	74LS42	
	TI	SN74LS42	
74LS490	Hitachi	HD74LS490	
	Motorola	SN74LS490	
	National	74LS490	
	SGS-Thomson		
		T74LS490	
	Signetics	74LS490	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

SGS-THOMSON (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS51	Hitachi	HD74LS51	
	Motorola	SN74LS51	
	National	DM74LS51	
		74LS51	
	Rochester	74LS51	
	SGS-Thomson		
		T74LS51	
	Signetics	74LS51	
	TI	SN74LS51	
74LS54	Hitachi	HD74LS54	
	Motorola	SN74LS54	
	National	74LS54	
	SGS-Thomson		
		T74LS54	
	Signetics	74LS54	
	TI	SN74LS54	
74LS55	Hitachi	HD74LS55	
	Motorola	SN74LS55	
	National	74LS55	
	Rochester	74LS55	
	SGS-Thomson		
		T74LS55	
	TI	SN74LS55	
74LS670	GoldStar	GD74LS670	
	Motorola	SN74LS670	
	National	DM74LS670	
		74LS670	
	Rochester	74LS670	
	SGS-Thomson		
		T74LS670	
	Signetics	74LS670	
	TI	SN74LS670	
74LS74	GoldStar	GD74LS74A	
	Hitachi	HD74LS74A	
	Motorola	SN74LS74A	
	National	DM74LS74	
		74LS74	
	Rochester	74LS74	
	SGS-Thomson		
		T74LS74A	
	Signetics	74LS74A	
	TI	SN74LS74A	
74LS83A	Hitachi	HD74LS83A	
	Motorola	SN74LS83A	
	National	DM74LS83A	
		74LS83	
	Rochester	74LS83	
	SGS-Thomson		
		T74LS83A	
	Signetics	74LS83A	
	TI	SN74LS83A	
♦ 74LS85	Hitachi	HD74LS85	
	Motorola	SN74LS85	
	National	DM74LS85	
		74LS85	
♦ 74LS85	Rochester	74LS85	
	Signetics	74LS85	
	TI	SN74LS85	
74LS86	GoldStar	GD74LS86	
	Hitachi	HD74LS86	
	Motorola	SN74LS86	
	National	DM74LS86	
		74LS86	
	Rochester	74LS86	
	SGS-Thomson		
		T74LS86	
	Signetics	74LS86	
	TI	SN74LS86A	
74LS90	Hitachi	HD74LS90	
	Motorola	SN74LS90	
	National	DM74LS90	
	Rochester	74LS90	
	Signetics	74LS90	
	TI	SN74LS90	
♦ 74LS92	Hitachi	HD74LS92	
	Motorola	SN74LS92	
	Signetics	74LS92	
	TI	SN74LS92	
74LS93	GoldStar	GD74LS93	
	Hitachi	HD74LS93	
	Motorola	SN74LS93	
	National	DM74LS93	
	Rochester	74LS93	
	Signetics	74LS93	
	TI	SN74LS93	
74LS95B	Hitachi	HD74LS95B	
	Motorola	SN74LS95B	
	National	74LS95B	
	SGS-Thomson		
		T74LS95B	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74LS95B			(Cont'd)
	Signetics	74LS95B	
	TI	SN74LS95B	
8493689	Micro-C	4164	
93C46A	ICT	93C46AP	
		93C46P	

Sharp Electronics

Manufacturer Device	Replacement Source	Device	IC Master Page
GP1U56	GEC Plessey	SL486	
IROP04	Samsung	KA2153	
IR2E02	Samsung	KA2288	
IR2E27	Samsung	KA2281	
IR3N05	Samsung	LM567	
IR3N06	Samsung	MC3361	
IR3N31	Samsung	KA8501	
IR3R24	Samsung	KA2230	
IR3741	NJR	NJM741	
IR9022	NJR	NJM022	
IR91458	NJR	NJM1458	
IR94558	**NJR**	**NJM4558**	**(3594)**
IR94559	NJR	NJM4559	
LC7363	Sharp	UM91210	
LH0080	**Krueger**	**Z80CPU**	**(3548)**
	Micro-C	Z80CPU	
LH0081	Krueger	Z80PIO	
	Micro-C	Z80PIO	
LH0082	Krueger	Z80CTC	
LH0083	Krueger	Z80DMA	
LH0084	Krueger	Z80SIO/0	
	Micro-C	Z80	
LH0085	Krueger	Z80SIO/1	
LH0086	Krueger	Z80SIO/2	
LH0088	Krueger	Z80DART	
LH080112	Micro-C	Z8	
LH080113	Micro-C	Z8	
LH080119	Micro-C	Z8	
LH081108	Micro-C	Z8	
LH2114	**Krueger**	**2114-200**	**(3548)**
LH21144	**Krueger**	**2114-150**	**(3548)**
		2114-450	**(3548)**
LH21256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	MicronTech	MT1259	
LH2164	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
LH23126	OKI	MSM38128	
	UMC	UM23C128	
LH23257	OKI	MSM38256	
LH2369	OKI	MSM3864	
	UMC	UM23C64	
LH2464	Krueger	41464-100	
		41464-120	
		41464-150	
	MicronTech	MT4067	
LH5006	Samsung	KS0061	
LH5008	Samsung	KS0062	
LH5021	Samsung	KS0081	
LH5022	Samsung	KS0081	
LH5025	Samsung	KS0102	
LH5030	Samsung	KS0101	
LH5031	Samsung	KS0101	
LH5036	Samsung	KS0102	
LH5114	Krueger	21C14-150	
		21C14-200	
		21C14-450	
LH5116	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	UMC	UM6116	
LH51256	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
LH5160	Toshiba	TC5563	
		TC5565	
LH5164	**Krueger**	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	Mosel	MS6264	
	Toshiba	TC5588	
	UMC	UM6264	
LH5165	Toshiba	TC5588	
LH5165L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
LH5167	Krueger	2167-35	
		2167-45	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LH5167	Krueger		(Cont'd)
		2167-55	
		2167-70	
LH521002	Mosel	MS621002	
LH521008	Mosel	MS621008	
LH52251	Cypress	CY7C197	
	Mosel	MS62251	
LH52252	Cypress	CY7C194	
	Mosel	MS62252	
	Toshiba	TC55464	
LH52254	Cypress	CY7C199	
LH52256	Inova	S32K8	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	Mosel	MS62256	
	OKI	MSM51257	
	Toshiba	TC55257	
	UMC	UM62256	
LH52257	Toshiba	TC55328	
LH52258	Krueger	62256-025	
		62256-030	
		62256-035	
	Mosel	MS62256	
LH52259	Toshiba	TC55329	
LH5261	Krueger	6287-35	
		6287-45	
		6287-55	
	Toshiba	TC5561	
		TC5562	
LH5262A	Toshiba	TC55416	
LH5265	**Krueger**	**6288-25**	**(3548)**
		6288-35	
		6288-45	
LH5267	Krueger	6289-25	
		6289-35	
		6289-45	
LH5267A	Toshiba	TC55417	
LH530800	OKI	MSM531001	
	Samsung	KM23C1010	
LH530900	Samsung	KM23C1011	
LH531000	Hitachi	TC531000	
	OKI	MSM531000	
	Samsung	KM23C1000	
	UMC	UM23C1024	
LH5316000	Samsung	KM23C16000	
LH531601	Toshiba	TC5316200	
LH532000	Samsung	KM23C2100	
	UMC	UM23C2000	
LH532100	Samsung	KM23C2000	
	UMC	UM23C2001	
LH532300	Samsung	KM23C2000	
LH532500	Samsung	KM23C2100	
LH53257	OKI	MSM53256	
	UMC	UM23C256	
LH534000	GoldStar	GM231000	
	Samsung	KM23C4100	
	Toshiba	TC534200	
	UMC	UM23C4000	
LH534100	Samsung	KM23C4000	
	Toshiba	TC534000	
LH534200	Samsung	KM23C4001	
LH534300	OKI	MSM534001	
	Samsung	KM23C4000	
LH534400	Samsung	KM23C4001	
LH534500	OKI	MSM534002	
	Samsung	KM23C4100	
LH53513	UMC	UM23C512	
LH538000	Samsung	KM23C8100	
LH538100	Samsung	KM23C8000	
	Toshiba	TC538200	
LH538200	Samsung	KM23C8000	
LH5481	Cypress	CY7C408	
LH5491	Cypress	CY7C409	
LH5492	Samsung	KM75C104	
LH5495	AMD	AM7200	
	IDT	IDT7200	
	Mosel	7200	
LH5496	AMD	AM7201	
	Cypress	CY7C420	
		CY7C421	
	IDT	IDT7201	
	MicronTech	MT52C9005	
	Mosel	7201	
	Samsung	KM75C01	
LH5497	AMD	AM7202	
	Cypress	CY7C424	
		CY7C425	
	IDT	IDT7202	
	MicronTech	MT52C9010	
	Mosel	7202	
	Samsung	KM75C02	

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Manufacturer Device	Replacement Source	Device	IC Master Page
LH5498	AMD	AM7203	
	Cypress	CY7C428	
		CY7C429	
	IDT	IDT7203	
	MicronTech	MT52C9020	
	Mosel	7203	
	Samsung	KM75C03	
LH5499	AMD	AM7204	
	Cypress	CY7C432	
		CY7C433	
	IDT	IDT7204	
LH571000	Krueger	27C010	
LH57127	Waferscale	WS57C51	
LH57128	Krueger	27C128-200	
		27C128-250	
LH57191	Waferscale	WS57C191	
LH57254	Cypress	CY7C274	
LH57255	Cypress	CY7C274	
LH57256	Cypress	CY7C274	
	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	Waferscale	WS57C256	
LH5749	Cypress	CY7C264	
	NEC	μPD27HC65	
	Waferscale	WS57C49	
LH5762	Cypress	CY7C266	
LH5763	Cypress	CY7C266	
	Waferscale	WS57C64	
LH5764	Cypress	CY7C266	
	Krueger	27C64-200	
		27C64-250	
		27C64-300	
LH5826	Samsung	KS0102	
LH611000	Krueger	511000-100	
		511000-70	
		511000-80	
LH64256	Krueger	514256-100	
		514256-70	
		514256-80	
	MicronTech	MT4C4256	
LH64258	MicronTech	MT4C4258	
LH8001	Micro-C	Z8001	
LH80113	Micro-C	Z8	
LH8030	Micro-C	Z8030	
LI3135	Samsung	KS6125	
		KS6325	
LI3136	Samsung	KS6028	
LI3140	Samsung	KS6326	
LR4087	Samsung	KS5809	
		KS58528	
		KS58529	
		KS58530	
		KS58531	
		KS58532	
		KS58533	
		KS58534	
		KS58535	
		KS58536	
		KS58537	
		KS58538	
		KS58539	
	UMC	UM95087	
LR4089	Samsung	KS5808	
	UMC	UM95089	
LR40992	Gould AMI	S2560	
	Samsung	KS5805	
	UMC	UM9151	
LR40993	Samsung	KS5805	
LR4173	UMC	UM91611	
LR4803	Samsung	KS5822	
		KS58500	
	UMC	UM91260	
		UM91261	
LR4806	UMC	UM91270	
LR48081	Samsung	KS58000	
		KS58001	
		KS58002	
		KS58003	
		KS5819	
	Sharp	UM91210	
LR48082	Samsung	KS58004	
		KS58005	
		KS58006	
		KS58007	
		KS5820	
LR74HC00	GoldStar	GD74HC00	
	Harris	CD74HC00	
	Hitachi	HD74HC00	
	Motorola	MC74HC00A	
	National	MM74HC00	
	NJR	NJU74HC00	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Sharp Electronics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
LR74HC00 (Cont'd)			
	SGS-Thomson	M74HC00	
	Signetics	74HC00	
	TI	SN74HC00	
	Toshiba	TC74HC00A	
LR74HC02	GoldStar	GD74HC02	
	Harris	CD74HC02	
	Hitachi	HD74HC02	
	Motorola	MC74HC02A	
	National	MM74HC02	
	NJR	NJU74HC02	
	SGS-Thomson	M74HC02	
	Signetics	74HC02	
	TI	SN74HC02	
	Toshiba	TC74HC02A	
LR74HC03	Harris	CD74HC03	
	Motorola	MC74HC03A	
	National	MM74HC03	
	NJR	NJU74HC03	
	SGS-Thomson	M74HC03	
	Signetics	74HC03	
	TI	SN74HC03	
	Toshiba	TC74HC03A	
LR74HC04	Harris	CD74HC04	
	Hitachi	HD74HC04	
	Motorola	MC74HC04A	
	National	MM74HC04	
	NJR	NJU74HC04	
	SGS-Thomson	M74HC04	
	Signetics	74HC04	
	TI	SN74HC04	
	Toshiba	TC74HC04A	
LR74HC08	Harris	CD74HC08	
	Hitachi	HD74HC08	
	Motorola	MC74HC08A	
	National	MM74HC08	
	NJR	NJU74HC08	
	SGS-Thomson	M74HC08	
	Signetics	74HC08	
	TI	SN74HC08	
	Toshiba	TC74HC08A	
LR74HC10	Harris	CD74HC10	
	Hitachi	HD74HC10	
	Motorola	MC74HC10	
	National	MM74HC10	
	NJR	NJU74HC10	
	SGS-Thomson	M74HC10	
	Signetics	74HC10	
	TI	SN74HC10	
	Toshiba	TC74HC10A	
LR74HC107	Harris	CD74HC107	
	Hitachi	HD74HC107	
	Motorola	MC74HC107	
	National	MM74HC107	
	SGS-Thomson	M74HC107	
	Signetics	74HC107	
	TI	SN74HC107	
	Toshiba	TC74HC107A	
LR74HC109	Harris	CD74HC109	
	Hitachi	HD74HC109	
	Motorola	MC74HC109	
	National	MM74HC109	
	NJR	NJU74HC109	
	SGS-Thomson	M74HC109	
	Signetics	74HC109	
	TI	SN74HC109	
	Toshiba	TC74HC109A	
LR74HC11	Harris	CD74HC11	
	Hitachi	HD74HC11	
	Motorola	MC74HC11	
	National	MM74HC11	
	NJR	NJU74HC11	
	SGS-Thomson	M74HC11	
	Signetics	74HC11	
	TI	SN74HC11	
	Toshiba	TC74HC11A	
LR74HC112	Harris	CD74HC112	
	Hitachi	HD74HC112	
	Motorola	MC74HC112	
	National	MM74HC112	
	NJR	NJU74HC112	

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Manufacturer Device	Replacement Source	Device	IC Master Page
LR74HC112 (Cont'd)			
	SGS-Thomson	M74HC112	
	Signetics	74HC112	
	TI	SN74HC112	
	Toshiba	TC74HC112A	
LR74HC113	Hitachi	HD74HC113	
	Mitsubishi	M74HC113	
	Motorola	MC74HC113	
	National	MM74HC113	
	NJR	NJU74HC113	
	SGS-Thomson	M74HC113	
	TI	SN74HC113	
	Toshiba	TC74HC113A	
LR74HC132	Harris	CD74HC132	
	Hitachi	HD74HC132	
	Motorola	MC74HC132A	
	National	MM74HC132	
	NJR	NJU74HC132	
	SGS-Thomson	M74HC132	
	Signetics	74HC132	
	TI	SN74HC132	
	Toshiba	TC74HC132A	
LR74HC137	Harris	CD74HC137	
	Hitachi	HD74HC137	
	Mitsubishi	M74HC137	
	Motorola	MC74HC137	
	National	MM74HC137	
	NJR	NJU74HC137	
	SGS-Thomson	M74HC137	
	Signetics	74HC137	
	TI	SN74HC137	
	Toshiba	TC74HC137A	
LR74HC138	Harris	CD74HC138	
	Hitachi	HD74HC138	
	Mitsubishi	M74HC138-1	
	Motorola	MC74HC138A	
	National	MM74HC138	
	NJR	NJU74HC138	
	SGS-Thomson	M74HC138	
	Signetics	74HC138	
	TI	SN74HC138	
	Toshiba	TC74HC138A	
LR74HC139	Harris	CD74HC139	
	Hitachi	HD74HC139	
	Mitsubishi	M74HC139-1	
	Motorola	MC74HC139A	
	National	MM74HC139	
	NJR	NJU74HC139	
	SGS-Thomson	M74HC139	
	Signetics	74HC139	
	TI	SN74HC139	
	Toshiba	TC74HC139A	
LR74HC14	Harris	CD74HC14	
	Hitachi	HD74HC14	
	Mitsubishi	M74HC14	
	Motorola	MC74HC14A	
	National	MM74HC14	
	NJR	NJU74HC14	
	SGS-Thomson	M74HC14	
	Signetics	74HC14	
	TI	SN74HC14	
	Toshiba	TC74HC14A	
LR74HC147	Harris	CD74HC147	
	Hitachi	HD74HC147	
	Motorola	MC74HC147	
	National	MM74HC147	
	SGS-Thomson	M74HC147	
	Signetics	74HC147	
	TI	SN74HC147	
	Toshiba	TC74HC147A	
LR74HC151	Harris	CD74HC151	
	Hitachi	HD74HC151	
	Motorola	MC74HC151	
	National	MM74HC151	
	NJR	NJU74HC151	
	SGS-Thomson	M74HC151	
	Signetics	74HC151	
	TI	SN74HC151	
	Toshiba	TC74HC151A	
LR74HC153	Harris	CD74HC153	
	Hitachi	HD74HC153	
	Motorola	MC74HC153	
	National	MM74HC153	
	NJR	NJU74HC153	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LR74HC153 (Cont'd)			
	SGS-Thomson	M74HC153	
	Signetics	74HC153	
	TI	SN74HC153	
	Toshiba	TC74HC153A	
	Universal	US74HC153	
LR74HC157	Harris	CD74HC157	
	Hitachi	HD74HC157	
	Motorola	MC74HC157A	
	National	MM74HC157	
	SGS-Thomson	M74HC157	
	Signetics	74HC157	
	TI	SN74HC157	
	Toshiba	TC74HC157A	
	Universal	US74HC157	
LR74HC158	Harris	CD74HC158	
	Hitachi	HD74HC158	
	National	MM74HC158	
	SGS-Thomson	M74HC158	
	Signetics	74HC158	
	TI	SN74HC158	
	Toshiba	TC74HC158A	
	Universal	US74HC158	
LR74HC160	Harris	CD74HC160	
	Hitachi	HD74HC160	
	Mitsubishi	M74HC160	
	Motorola	MC74HC160	
	National	MM74HC160	
	NJR	NJU74HC160	
	SGS-Thomson	M74HC160	
	Signetics	74HC160	
	TI	SN74HC160	
	Toshiba	TC74HC160A	
	Universal	US74HC160	
LR74HC161	Harris	CD74HC161	
	Hitachi	HD74HC161	
	National	MM74HC161	
	NJR	NJU74HC161	
	SGS-Thomson	M74HC161	
	Signetics	74HC161	
	TI	SN74HC161	
	Toshiba	TC74HC161A	
	Universal	US74HC161	
LR74HC162	Harris	CD74HC162	
	Hitachi	HD74HC162	
	Mitsubishi	M74HC162	
	Motorola	MC74HC162	
	National	MM74HC162	
	NJR	NJU74HC162	
	SGS-Thomson	M74HC162	
	Signetics	74HC162	
	TI	SN74HC162	
	Toshiba	TC74HC162A	
	Universal	US74HC162	
LR74HC163	Harris	CD74HC163	
	Hitachi	HD74HC163	
	National	MM74HC163	
	NJR	NJU74HC163	
	Panasonic	MN74HC163	
	SGS-Thomson	M74HC163	
	Signetics	74HC163	
	TI	SN74HC163	
	Toshiba	TC74HC163A	
	Universal	US74HC163	
LR74HC164	Harris	CD74HC164	
	Hitachi	HD74HC164	
	Motorola	MC74HC164	
	National	MM74HC164	
	NJR	NJU74HC164	
	SGS-Thomson	M74HC164	
	Signetics	74HC164	
	TI	SN74HC164	
	Toshiba	TC74HC164A	
	Universal	US74HC164	
LR74HC165	Harris	CD74HC165	
	Hitachi	HD74HC165	
	Motorola	MC74HC165	
	National	MM74HC165	
	NJR	NJU74HC165	
	SGS-Thomson	M74HC165	
	Signetics	74HC165	
	TI	SN74HC165	
	Toshiba	TC74HC165A	
	Universal	US74HC165	

Manufacturer Device	Replacement Source	Device	IC Master Page
LR74HC173	Harris	CD74HC173	
	Hitachi	HD74HC173	
	Motorola	MC74HC173	
	National	MM74HC173	
	SGS-Thomson	M74HC173	
	Signetics	74HC173	
	TI	SN74HC173	
	Toshiba	TC74HC173A	
	Universal	US74HC173	
LR74HC174	Harris	CD74HC174	
	Hitachi	HD74HC174	
	Motorola	MC74HC174A	
	National	MM74HC174	
	NJR	NJU74HC174	
	SGS-Thomson	M74HC174	
	Signetics	74HC174	
	TI	SN74HC174	
	Toshiba	TC74HC174A	
	Universal	US74HC174	
LR74HC175	Harris	CD74HC175	
	Hitachi	HD74HC175	
	Motorola	MC74HC175	
	National	MM74HC175	
	NJR	NJU74HC175	
	SGS-Thomson	M74HC175	
	Signetics	74HC175	
	TI	SN74HC175	
	Toshiba	TC74HC175A	
	Universal	US74HC175	
LR74HC194	Harris	CD74HC194	
	Hitachi	HD74HC194	
	Mitsubishi	M74HC194	
	Motorola	MC74HC194	
	National	MM74HC194	
	NJR	NJU74HC194	
	SGS-Thomson	M74HC194	
	Signetics	74HC194	
	TI	SN74HC194	
	Toshiba	TC74HC194A	
	Universal	US74HC194	
LR74HC195	Harris	CD74HC195	
	Hitachi	HD74HC195	
	Mitsubishi	M74HC195	
	Motorola	MC74HC195	
	National	MM74HC195	
	NJR	NJU74HC195	
	SGS-Thomson	M74HC195	
	Signetics	74HC195	
	TI	SN74HC195	
	Toshiba	TC74HC195A	
	Universal	US74HC195	
LR74HC20	Harris	CD74HC20	
	Hitachi	HD74HC20	
	Mitsubishi	M74HC20	
	Motorola	MC74HC20	
	National	MM74HC20	
	NJR	NJU74HC20	
	SGS-Thomson	M74HC20	
	Signetics	74HC20	
	TI	SN74HC20	
	Toshiba	TC74HC20A	
	Universal	US74HC20	
LR74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson	M74HC240	
	Signetics	PC74HC240	
		74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
LR74HC241	Harris	CD74HC241	
	Hitachi	HD74HC241	
	Mitsubishi	M74HC241	
	Motorola	MC74HC241A	
	National	MM74HC241	
	NJR	NJU74HC241	
	SGS-Thomson	M74HC241	
		M74HC241HV	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Sharp Electronics (Cont'd)			
LR74HC241			(Cont'd)
	Signetics	74HC241	
	TI	SN74HC241	
	Toshiba	TC74HC241A	
LR74HC242	Harris	CD74HC242	
	Hitachi	HD74HC242	
	Mitsubishi	M74HC242	
	Motorola	MC74HC242	
	National	MM74HC242	
	SGS-Thomson		
		M74HC242	
	Signetics	74HC242	
	TI	SN74HC242	
	Toshiba	TC74HC242A	
LR74HC243	Harris	CD74HC243	
	Mitsubishi	M74HC243	
	National	MM74HC243	
	SGS-Thomson		
		M74HC243	
	Signetics	74HC243	
	TI	SN74HC243	
	Toshiba	TC74HC243A	
LR74HC244	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
	Motorola	MC74HC244A	
	National	MM74HC244	
	NJR	NJU74HC244	
	SGS-Thomson		
		M74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
LR74HC245	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
	National	MM74HC245	
		MM74HC245A	
	NJR	NJU74HC245	
	SGS-Thomson		
		M74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
LR74HC251	Harris	CD74HC251	
	Hitachi	HD74HC251	
	Mitsubishi	M74HC251	
	Motorola	MC74HC251	
	National	MM74HC251	
	SGS-Thomson		
		M74HC251	
	Signetics	74HC251	
	TI	SN74HC251	
	Toshiba	TC74HC251A	
LR74HC253	Harris	CD74HC253	
	Hitachi	HD74HC253	
	Mitsubishi	M74HC253	
	Motorola	MC74HC253	
	National	MM74HC253	
	NJR	NJU74HC253	
	SGS-Thomson		
		M74HC253	
	Signetics	PC74HC253	
	TI	SN74HC253	
	Toshiba	TC74HC253	
LR74HC257	Harris	CD74HC257	
	Hitachi	HD74HC257	
	Mitsubishi	M74HC257	
	Motorola	MC74HC257	
	National	MM74HC257	
	SGS-Thomson		
		M74HC257	
	Signetics	74HC257	
	TI	SN74HC257	
	Toshiba	TC74HC257A	
LR74HC259	Harris	CD74HC259	
	Hitachi	HD74HC259	
	Mitsubishi	M74HC259	
	Motorola	MC74HC259	
	National	MM74HC259	
	NJR	NJU74HC259	
	SGS-Thomson		
		M74HC259	
	Signetics	74HC259	
	TI	SN74HC259	
	Toshiba	TC74HC259A	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LR74HC266	Mitsubishi	M74HC266	
		M74HC266A	
	National	MM74HC266	
	NJR	NJU74HC266	
	SGS-Thomson		
		M74HC266	
	TI	SN74HC266	
LR74HC27	Harris	CD74HC27	
	Hitachi	HD74HC27	
	Mitsubishi	M74HC27	
	Motorola	MC74HC27	
	National	MM74HC27	
	NJR	NJU74HC27	
	SGS-Thomson		
		M74HC27	
	Signetics	74HC27	
	TI	SN74HC27	
	Toshiba	TC74HC27A	
LR74HC273	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson		
		M74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
LR74HC280	Harris	CD74HC280	
	Hitachi	HD74HC280	
	Mitsubishi	M74HC280	
	Motorola	MC74HC280	
	National	MM74HC280	
	SGS-Thomson		
		M74HC280	
	Signetics	74HC280	
	TI	SN74HC280	
	Toshiba	TC74HC280A	
LR74HC299	Harris	CD74HC299	
	Motorola	MC74HC299	
	National	MM74HC299	
	SGS-Thomson		
		M74HC299	
	Signetics	74HC299	
	TI	SN74HC299	
	Toshiba	TC74HC299A	
LR74HC30	Harris	CD74HC30	
	Hitachi	HD74HC30	
	Mitsubishi	M74HC30	
	Motorola	MC74HC30	
	National	MM74HC30	
	SGS-Thomson		
		M74HC30	
	Signetics	74HC30	
	TI	SN74HC30	
	Toshiba	TC74HC30A	
LR74HC32	Harris	CD74HC32	
	Hitachi	HD74HC32	
	Mitsubishi	M74HC32	
	Motorola	MC74HC32A	
	National	MM74HC32	
	NJR	NJU74HC32	
	SGS-Thomson		
		M74HC32	
	Signetics	74HC32	
	TI	SN74HC32	
	Toshiba	TC74HC32A	
LR74HC354	Harris	CD74HC354	
	Hitachi	HD74HC354	
	Motorola	MC74HC354	
	National	MM74HC354	
	SGS-Thomson		
		M74HC354	
	Signetics	74HC354	
	TI	SN74HC354	
	Toshiba	TC74HC354A	
LR74HC356	Harris	CD74HC356	
	Hitachi	HD74HC356	
	National	MM74HC356	
	SGS-Thomson		
		M74HC356	
	Signetics	74HC356	
	TI	SN74HC356	
	Toshiba	TC74HC356A	
LR74HC365	GoldStar	GD74HC365	
	Harris	CD74HC365	
	Hitachi	HD74HC365	
	Motorola	MC74HC365	
	National	MM74HC365	
	SGS-Thomson		
		M74HC365	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LR74HC365			(Cont'd)
	Signetics	74HC365	
	TI	SN74HC365	
	Toshiba	TC74HC365A	
LR74HC366	GoldStar	GD74HC366	
	Harris	CD74HC366	
	Hitachi	HD74HC366	
	Motorola	MC74HC366	
	National	MM74HC366	
	SGS-Thomson		
		M74HC366	
	Signetics	74HC366	
	TI	SN74HC366	
	Toshiba	TC74HC366A	
LR74HC368	GoldStar	GD74HC368	
	Harris	CD74HC368	
	Hitachi	HD74HC368	
	Motorola	MC74HC368	
	National	MM74HC368	
	SGS-Thomson		
		M74HC368	
	Signetics	74HC368	
	TI	SN74HC368	
	Toshiba	TC74HC368A	
LR74HC373	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	National	MM74HC373	
	NJR	NJU74HC373	
	SGS-Thomson		
		M74HC373	
	Signetics	74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
LR74HC374	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	National	MM74HC374	
	NJR	NJU74HC374	
	SGS-Thomson		
		M74HC374	
	Signetics	74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	
LR74HC390	Harris	CD74HC390	
	Hitachi	HD74HC390	
	Motorola	MC74HC390	
	National	MM74HC390	
	NJR	NJU74HC390	
	SGS-Thomson		
		M74HC390	
	Signetics	74HC390	
	TI	SN74HC390	
	Toshiba	TC74HC390A	
LR74HC393	Harris	CD74HC393	
	Hitachi	HD74HC393	
	Motorola	MC74HC393	
	National	MM74HC393	
	NJR	NJU74HC393	
	SGS-Thomson		
		M74HC393	
	Signetics	74HC393	
	TI	SN74HC393	
	Toshiba	TC74HC393A	
LR74HC4002	Harris	CD74HC4002	
	Mitsubishi	M74HC4002	
	Motorola	MC74HC4002	
	National	MM74HC4002	
	NJR	NJU74HC4002	
	SGS-Thomson		
		M74HC4002	
	Signetics	74HC4002	
	TI	SN74HC4002	
	Toshiba	TC74HC4002A	
LR74HC4024	Harris	CD74HC4024	
	Hitachi	HD74HC4024	
	Mitsubishi	M74HC4024	
	Motorola	MC74HC4024	
	National	MM74HC4024	
	SGS-Thomson		
		M74HC4024	
	Signetics	74HC4024	
	TI	SN74HC4024	
	Toshiba	TC74HC4024A	
LR74HC4075	Harris	CD74HC4075	
	Mitsubishi	M74HC4075	
	Motorola	MC74HC4075	
	National	MM74HC4075	
	SGS-Thomson		
		M74HC4075	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LR74HC4075			(Cont'd)
	Signetics	74HC4075	
	TI	SN74HC4075	
	Toshiba	TC74HC4075A	
LR74HC4078	Mitsubishi	M74HC4078	
	Motorola	MC74HC4078	
	National	MM74HC4078	
	SGS-Thomson		
		M74HC4078	
	TI	SN74HC4078A	
	Toshiba	TC74HC4078A	
LR74HC42	Harris	CD74HC42	
	Hitachi	HD74HC42	
	Mitsubishi	M74HC42	
	Motorola	MC74HC42	
	National	MM74HC42	
	SGS-Thomson		
		M74HC42	
	Signetics	74HC42	
	TI	SN74HC42	
	Toshiba	TC74HC42A	
LR74HC4511	Harris	CD74HC4511	
	Hitachi	HD74HC4511	
	Motorola	MC74HC4511	
	National	MM74HC4511	
	SGS-Thomson		
		M74HC4511	
	Signetics	74HC4511	
	Toshiba	TC74HC4511A	
LR74HC4514	Harris	CD74HC4514	
	Hitachi	HD74HC4514	
	Motorola	MC74HC4514	
	National	MM74HC4514	
	SGS-Thomson		
		M74HC4514	
	Signetics	74HC4514	
	TI	SN74HC4514	
	Toshiba	TC74HC4514A	
LR74HC4543	Harris	CD74HC4543	
	Hitachi	HD74HC4543	
	National	MM74HC4543	
	SGS-Thomson		
		M74HC4543	
	Signetics	74HC4543	
	Toshiba	TC74HC4543A	
LR74HC51	Hitachi	HD74HC51	
	Mitsubishi	M74HC51	
	Motorola	MC74HC51	
	National	MM74HC51	
	NJR	NJU74HC51	
	SGS-Thomson		
		M74HC51	
	TI	SN74HC51	
	Toshiba	TC74HC51A	
LR74HC533	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
	Motorola	MC74HC533A	
	National	MM74HC533	
	NJR	NJU74HC533	
	SGS-Thomson		
		M74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
LR74HC534	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
	Motorola	MC74HC534A	
	National	MM74HC534	
	NJR	NJU74HC534	
	SGS-Thomson		
		M74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
LR74HC541	Harris	CD74HC541	
	Hitachi	HD74HC541	
	Mitsubishi	M74HC541	
	Motorola	MC74HC541	
	National	MM74HC541	
	SGS-Thomson		
		M74HC541	
	Signetics	74HC541	
	TI	SN74HC541	
	Toshiba	TC74HC541A	
LR74HC563	Harris	CD74HC563	
	Hitachi	HD74HC563	
	Motorola	MC74HC563	
	National	MM74HC563	
	SGS-Thomson		
		M74HC563	
			(Continued)

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Sharp Electronics (Cont'd)			
LR74HC563			(Cont'd)
	Signetics	74HC563	
	TI	SN74HC563	
	Toshiba	TC74HC563A	
LR74HC564	Harris	CD74HC564	
	Hitachi	HD74HC564	
	Motorola	MC74HC564	
	National	MM74HC564	
	SGS-Thomson	M74HC564	
	Signetics	74HC564	
	TI	SN74HC564	
	Toshiba	TC74HC564A	
LR74HC574	Harris	CD74HC574	
	Hitachi	HD74HC574	
	Motorola	MC74HC574A	
	National	MM74HC574	
	SGS-Thomson	M74HC574	
	Signetics	74HC574	
	TI	SN74HC574	
	Toshiba	TC74HC574A	
LR74HC58	Motorola	MC74HC58	
	National	MM74HC58	
	NJR	NJU74HC58	
LR74HC595	Hitachi	HD74HC595	
	Mitsubishi	M74HC595	
	National	MM74HC595	
	SGS-Thomson	M74HC595	
	TI	SN74HC595	
	Toshiba	TC74HC595A	
LR74HC597	Harris	CD74HC597	
	Hitachi	HD74HC597	
	Motorola	MC74HC597	
	National	MM74HC597	
	SGS-Thomson	M74HC597	
	Signetics	74HC597	
	Toshiba	TC74HC597A	
LR74HC640	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
	Motorola	MC74HC640A	
	National	MM74HC640	
	NJR	NJU74HC640	
	SGS-Thomson	M74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	
LR74HC643	Harris	CD74HC643	
	Hitachi	HD74HC643	
	Mitsubishi	M74HC643	
		M74HC643-1	
	National	MM74HC643	
	NJR	NJU74HC643	
	SGS-Thomson	M74HC643	
	Signetics	74HC643	
	TI	SN74HC643	
	Toshiba	TC74HC643A	
LR74HC688	Harris	CD74HC688	
	Hitachi	HD74HC688	
	Motorola	MC74HC688	
	National	MM74HC688	
	SGS-Thomson	M74HC688	
	Signetics	74HC688	
	TI	SN74HC688	
	Toshiba	TC74HC688A	
LR74HC74	GoldStar	GD74HC74	
	Harris	CD74HC74	
	Hitachi	HD74HC74	
	Mitsubishi	M74HC74	
	Motorola	MC74HC74A	
	National	MM74HC74	
	NJR	NJU74HC74	
	SGS-Thomson	M74HC74	
	Signetics	74HC74	
	TI	SN74HC74	
	Toshiba	TC74HC74A	
LR74HC75	Harris	CD74HC75	
	Hitachi	HD74HC75	
	Mitsubishi	M74HC75	
	Motorola	MC74HC75	
	National	MM74HC75	
	SGS-Thomson	M74HC75	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LR74HC75			(Cont'd)
	Signetics	74HC75	
	TI	SN74HC75	
	Toshiba	TC74HC75A	
LR74HC76	Hitachi	HD74HC76	
	Mitsubishi	M74HC76	
	Motorola	MC74HC76	
	National	MM74HC76	
	SGS-Thomson	M74HC76	
	TI	SN74HC76	
	Toshiba	TC74HC76A	
LR74HC85	Harris	CD74HC85	
	Hitachi	HD74HC85	
	Mitsubishi	M74HC85	
	Motorola	MC74HC85	
	National	MM74HC85	
	NJR	NJU74HC85	
	SGS-Thomson	M74HC85	
	Signetics	74HC85	
	TI	SN74HC85	
	Toshiba	TC74HC85A	
LR74HC86	Harris	CD74HC86	
	Hitachi	HD74HC86	
	Mitsubishi	M74HC86	
	Motorola	MC74HC86	
	National	MM74HC86	
	NJR	NJU74HC86	
	SGS-Thomson	M74HC86	
	Signetics	74HC86	
	TI	SN74HC86	
	Toshiba	TC74HC86A	
LR90993	UMC	UM9151	
SH5762	Waferscale	WS57C49	
ZH0087	Krueger	Z80SIO/9	
Z8	Micro-C	Z8	
Z80	Micro-C	Z80	
Z80CPU	Micro-C	Z80CPU	
Z80PIO	Micro-C	Z80PIO	

Siemens

Manufacturer Device	Replacement Source	Device	IC Master Page
A63652	Micro-C	63652	
HYB4116	Krueger	4116-120	
		4116-150	
		4116-200	
HYB41256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	Micro-C	41256	
HYB4164	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
HYB511000	Krueger	511000-100	
		511000-70	
		511000-80	
	Micro-C	511000	
	MicronTech	MT4C1024	
		MT4C1027	
	Toshiba	TC511000	
		TC511000B	
HYB511001	MicronTech	MT4C1025	
HYB511002	MicronTech	MT4C1026	
	Toshiba	TC511002	
HYB5116100	MicronTech	MT4C10016	
HYB5116400	MicronTech	MT4C40004	
HYB514100	MicronTech	MT4C1004	
	NEC	μPD424100	
	Toshiba	TC514100	
HYB5141002	MicronTech	MT4C1006	
HYB514256	Krueger	514256-100	
		514256-70	
		514256-80	
	MicronTech	MT4C4256	
		MT4C4260	
HYB514258	MicronTech	MT4C4258	
HYB514400	MicronTech	MT4C1001	
	NEC	μPD424400	
	Toshiba	TC514400	
HYB5144002	MicronTech	MT4C4003	
HYM910005	NEC	MC421000A9	
HYM940005	NEC	MC424100A9	
PEB2055	AMD	AM2055	
PEB2060	GEC Plessey	MV3000	
PEB2075	AMD	AM2075	
PEB2085	AMD	AM2085	
PEB2095	AMD	AM2095	
PEB20950	AMD	AM20950	
PEB2110	AMD	AM2110	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
PEB2160	AMD	AM2160	
R80186	AMD	R80186	
SAB1791	SMC	FDC1791	
		FDC9791	
SAB1793	Allegro Micro	FDC9793	
	SMC	FDC1793	
SAB1795	SMC	FDC1795	
		FDC9795	
SAB1797	Micro-C	1797	
	SMC	FDC1797	
		FDC9797	
SAB2797	Micro-C	2797	
SAB80C31	Signetics	SC80C31B	
SAB80C51	Signetics	SC80C51B	
SAB80186	AMD	A80186	
		N80186	
	Krueger	**80186**	**(3548)**
SAB80188	AMD	N80188	
		R80188	
SAB80286	AMD	N80L286-8	
		R80286-12	
		R80286-8	
	Krueger	**80286**	**(3548)**
	Micro-C	80286	
SAB80286-10	AMD	N80L286-10	
		R80286-10	
SAB80286-12	AMD	N80L286-12	
SAB80286-16	AMD	N80L286-16	
		R80286-16	
SAB8031	Krueger	8031	
SAB8031A	Signetics	SCN8031H	
SAB8032A	Signetics	SCN8032H	
SAB8051	Micro-C	8051	
SAB8051A	Signetics	SCN8051H	
SAB8052	Micro-C	8052	
SAB8052A	Signetics	SCN8052H	
SAB8085A	**Krueger**	**8085A**	**(3548)**
SAB8086	AMD	P8086	
	Krueger	**8086**	**(3548)**
	Micro-C	8086	
SAB80862	Micro-C	80862	
SAB8088	AMD	P8088	
	Krueger	8088	
	Micro-C	8088	
SAB8155	Micro-C	8155	
SAB82288	Micro-C	82288	
SAB8237	AMD	AM9517	
		P8237	
	Micro-C	8237	
	Siemens	SAB8237	
SAB82520	AMD	AM82520	
SAB82525	AMD	AM82525	
SAB8255	Micro-C	8255	
SAB8256	AMD	P8255	
SAB8257	Micro-C	8257	
SAB8259	Micro-C	8259	
SAB8259A	Krueger	8259	
SAB8275	Micro-C	8275	
SAB8284	Micro-C	8284	
SAB8288	Micro-C	8288	
SAB8289	Micro-C	8289	
SAB8755	Micro-C	8755	
SAS251	Allegro Micro	UGN3119	
SDA2001	GEC Plessey	SP8755	
SDA2101	GEC Plessey	SP4632	
SDA2208	GEC Plessey	MV500	
SDA2211	GEC Plessey	SP4731	
SDA3202	GEC Plessey	SP5004	
		SP5005	
SDA3203	GEC Plessey	SP5000	
SDA3302	GEC Plessey	SP5510	
SDA4121	GEC Plessey	SP4666	
SDA5200	GEC Plessey	SD9756	
		SP9758	
SDA5200N	MicroNet	MN5904	
SDA5200S	MicroNet	MN5905	
SDA5231	GEC Plessey	MV1815	
SDA5243	GEC Plessey	MV1815	
SDA5645	GEC Plessey	MV1815	
SDA8010	GEC Plessey	SP97508	
	MicroNet	MN5901	
SDA8200	MicroNet	MN5900	
SDA9231	GEC Plessey	MV1815	
SDA9243	GEC Plessey	MV1815	
SD4040	GEC Plessey	SP4541	
SD436	GEC Plessey	SP8755	
TBA222	SGS-Thomson	μA741	
TBB200	GEC Plessey	NJ88C33	
TBB204	STC	SRM8204	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
TBB741	SGS-Thomson	μA741	
TCA365	Allegro Micro	ULN3751	
	National	LH0101	
TCA520	Harris	CA5130	
TCA971	Harris	CA3046	
		CA3146	
TCA991	Harris	CA3046	
		CA3146	
TDA5664	GEC Plessey	SL5065	
6116	Micro-C	S2KX8	

Sierra Semiconductor

Manufacturer Device	Replacement Source	Device	IC Master Page
SC11000	Gould AMI	S35212A	
SC11005	Gould AMI	S35212A	
SC11202	Crystal	CS202	
SC11203	Crystal	CS203	
SC11204	Crystal	CS204	
SC11270	Crystal	CS8870	
SC2011	ICT	93C46AP	
		93C46P	
SC22002	Samsung	KM93C07	
SC22011	**Catalyst Semi**	**CAT93C46**	**(3424)**
	Samsung	KM93C46	
93C46	ICT	93C46	

Signal Processing Technologies

Manufacturer Device	Replacement Source	Device	IC Master Page
HADC574	Sipex-HSD	HS574	
HADC674	Sipex-HSD	SP674	

Signetics

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ μA710	Lansdale	ML1710	
μA723	Fujitsu	MB3752	
	Motorola	MC1723	
	National	LM723	
	SGS-Thomson	LM723	
μA733	TI	μA733	
μA741	AD	OP02	
	Motorola	MC1741	
	National	LM741	
	SGS-Thomson	μA741	
μA747	Motorola	MC1747	
	National	LM747	
μLN2001	National	μA9665	
μLN2003	National	μA9667	
μLN2004	National	μA9668	
ADC0801	National	ADC0801	
ADC0802	National	ADC0802	
ADC0803	Harris	ADC0803	
	National	ADC0803	
ADC0804	Harris	ADC0804	
	National	ADC0804	
	TI	ADC0804	
ADC0805	National	ADC0805	
AMPAL18P8	AMD	AMPAL18P8	
AM26LS31	Micro-C	26LS31	
AM6012	AD	DAC312	
	Harris	HI562	
CA741	Raytheon	RC741	
CA747	Raytheon	RC747	
CG1403	Micro-C	1403	
♦ CS700	Lansdale	SL700	
♦ CS701	Lansdale	SL701	
♦ CS704	Lansdale	SL704	
♦ CS709	Lansdale	SL709	
♦ CS716	Lansdale	SL716	
♦ CS720	Lansdale	SL720	
♦ CS721	Lansdale	SL721	
♦ CS727	Lansdale	SL727	
♦ CS729	Lansdale	SL729	
♦ CS730	Lansdale	SL730	
♦ CS731	Lansdale	SL731	
♦ CS732	Lansdale	SL732	
DAC08	AD	DAC08	
	Motorola	DAC08	
	National	DAC0800	
		DAC0801	
		DAC0802	
DS8820	National	DS8820	
DS8830	National	DS8830	
DS8880	National	DS8880	
FCB61C62	**Krueger**	**6288-25**	**(3548)**
		6288-35	
		6288-45	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Signetics			**(Cont'd)**
HEF4001	Fujitsu	MB4001P	
		MB4001PF	
HEF4002	Fujitsu	MB4002P	
		MB4002PF	
HEF4016	Unitrode	PIC7516	
HEF4066	Unitrode	PIC7516	
HEF4534	Gould AMI	S4534	
LF198	National	LF198	
LF298	National	LF298	
LF356	AnalogSys	MA332	
		MA333	
		MA362	
LF398	LinearTech	LF398	
	National	LF398	
LH2101A	Raytheon	LH2101A	
LM101	LinearTech	LM101	
LM101A	Raytheon	LM101A	
LM109	National	LM109	
LM111	AD	PM111	
	LinearTech	LM111	
		LT1011	
	Motorola	LM111	
	Raytheon	LM111	
	SGS-Thomson		
		LM111	
LM119	AD	PM119	
	LinearTech	LM119	
		LT119	
	SGS-Thomson		
		LM119	
LM124	AD	OP11	
		OP421	
	LinearTech	LT1014	
	Raytheon	LM124	
	SGS-Thomson		
		LM124	
LM124/BCA	TI	LM124JB	
LM124/BDA	TI	LM124WB	
LM124F	TI	LM124J	
LM139	AD	CMP04	
		PM139	
	Raytheon	LM139	
	SGS-Thomson		
		LM139	
LM139/BCA	TI	LM139JB	
LM139A/BCA	TI	LM139AJB	
LM139AF	TI	LM139AJ	
LM139F	TI	LM139J	
LM1398	SGS-Thomson		
		LM139	
LM148	Raytheon	LM148	
LM158	LinearTech	LT1013	
	Motorola	LM158	
	SGS-Thomson		
		LM158	
LM193	Motorola	LM193	
	SGS-Thomson		
		LM193	
LM193FE	TI	LM193JG	
LM211	AD	PM211	
	Motorola	LM211	
	SGS-Thomson		
		LM211	
LM219	AD	PM219	
	SGS-Thomson		
		LM219	
LM224	AD	OP11	
		OP421	
	SGS-Thomson		
		LM224	
LM239	AD	CMP04	
	Motorola	LM239	
	SGS-Thomson		
		LM239	
LM258	AD	OP221	
	Motorola	LM258	
	SGS-Thomson		
		LM258	
LM2901	Motorola	LM2901	
	SGS-Thomson		
		LM2901	
LM2902	AD	OP421	
LM2903	Motorola	LM2903	
	SGS-Thomson		
		LM2903	
LM2904	AD	OP221	
LM293	Motorola	LM293	
	SGS-Thomson		
		LM293	
LM301A	Raytheon	LM301A	
LM309	National	LM309	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LM311	LinearTech	LM311	
		LT1011	
		LT311	
	Motorola	LM311	
	SGS-Thomson		
		LM311	
LM319	SGS-Thomson		
		LM319	
LM324	AD	OP11	
		OP421	
	Motorola	LM324	
	Raytheon	LM324	
	SGS-Thomson		
		LM324	
LM339	AD	CMP04	
	Motorola	LM339	
	Raytheon	LM339	
	SGS-Thomson		
		LM339	
LM340	National	LM340	
LM348	Raytheon	LM348	
LM358	AD	OP221	
	AnalogSys	MA372	
	Fujitsu	MB47358	
		MB47358P	
		MB47358PE	
	SGS-Thomson		
		LM358	
LM393	Motorola	LM393	
	SGS-Thomson		
		LM393	
LT111	LinearTech	LT111	
MAB8031	Krueger	8031	
MAB8051	Micro-C	8051	
MC1408	AD	DAC1408	
	GEC Plessey	ZN429	
	National	DAC0806	
		DAC0807	
		DAC0808	
MC1458	**AD**	**OP14**	**(3343)**
	AnalogSys	MA336	
		MA372	
	SGS-Thomson		
		MC1458	
MC1488	National	DS1488	
	Samsung	MC1488	
	SGS-Thomson		
		MC1488	
MC1489	National	DS1489	
	Samsung	MC1489	
	SGS-Thomson		
		MC1489	
MC1496	National	LM1496	
MC1508	GEC Plessey	ZN429	
	National	DAC0808	
MC1558	LinearTech	LT1013	
	SGS-Thomson		
		MC1558	
MC1596	National	LM1596	
MC3302	SGS-Thomson		
		MC3302	
MC3303	Fujitsu	MB3615	
		MB3615M	
		MB3615PF	
	SGS-Thomson		
		MC3303	
MC3403	AD	OP421	
	AnalogSys	MA374	
	SGS-Thomson		
		MC3403	
MC3503	AD	OP421	
	SGS-Thomson		
		MC3503	
NE1037	LinearTech	LT1037	
NE4558	**AD**	**OP14**	**(3343)**
	AnalogSys	MA336	
		MA372	
	National	LM833	
	SGS-Thomson		
		MC4558	
NE5018	GEC Plessey	ZN428	
		ZN558	
NE5019	GEC Plessey	ZN428	
		ZN558	
NE5034	GEC Plessey	ZN448	
	National	ADC0841	
	TI	TLC532	
NE5036	GEC Plessey	ZN449	
	TI	TLC549	
NE5037	GEC Plessey	ZN449	
	TI	TLC549	
NE5105	Elantec	EL2018	
NE5118	GEC Plessey	ZN428	
		ZN558	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
NE5118			(Cont'd)
	National	DAC0830	
NE5119	GEC Plessey	ZN428	
		ZN558	
NE5170	Unitrode	UC5170	
NE5180	Unitrode	UC5180	
NE521	Elantec	EL2252	
NE5230	Harris	CA5160	
NE527	Elantec	EL2018	
NE529	National	LM361	
NE530	AD	OP42	
	AnalogSys	MA332	
		MA333	
		MA362	
	Elantec	EL2041	
NE531	AD	OP42	
	AnalogSys	MA332	
		MA333	
		MA362	
	Elantec	EHA2515	
	Motorola	MC1439	
NE532	AD	NE532	
	AnalogSys	MA336	
		MA372	
	Fujitsu	MB47358	
		MB47358P	
		MB47358PE	
	National	LM358	
	SGS-Thomson		
		NE532	
	TI	LM358	
		TL022	
NE533	Motorola	MC1776	
NE537	Motorola	MC1456	
NE538	AD	OP42	
	AnalogSys	MA332	
		MA362	
	Elantec	EHA2520	
NE540	Motorola	MC1554	
NE5410	National	DAC1020	
NE550	Motorola	MC1723	
NE5502	Allegro		
	Micro	ULN2022	
NE5503	Allegro		
	Micro	ULN2023	
NE5504	Allegro		
	Micro	ULN2024	
NE551	AD	NE532	
NE5512	**AD**	**OP14**	**(3343)**
	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
NE5514	AD	OP11	
NE5517	Exar	XR13600	
	Harris	CA3280	
NE5532	AD	OP270	
		SSM2139	**(3337, 3343, 3354)**
	AnalogSys	MA372	
	Elantec	EL2224	
	Exar	XR5532	
	Harris	HA5102	
	National	LM833	
	Raytheon	RC5532	
	Samsung	KA5532	
	TI	NE5532	
NE5533	**AD**	**SSM2139**	**(3337, 3343, 3354)**
NE5534	**AD**	**SSM2134**	**(3354)**
	AnalogSys	MA332	
		MA362	
	Exar	XR5534	
	Harris	HA5101	
	LinearTech	LT1037	
		OP37	
	Raytheon	RC5534	
		RC5534A	
	TI	NE5534	
NE5535	**AD**	**SSM2139**	**(3337, 3343, 3354)**
	AnalogSys	MA336	
		MA372	
NE5539	Elantec	EL2038	
		EL2039	
	GEC Plessey	SL541	
	Harris	HA2539	
NE555	Motorola	MC1455	
	National	LM555	
	Samsung	NE555	
	SGS-Thomson		
		NE555	
	TI	NE555	
		TLC555	

Manufacturer Device	Replacement Source	Device	IC Master Page
NE556	Harris	ICM7556	
	Samsung	NE556	
	SGS-Thomson		
		NE556	
	TI	NE556	
		TLC556	
NE5560	Allegro		
	Micro	NE5560	
NE5561	Allegro		
	Micro	NE5561	
	Motorola	MC34060	
		MC3456	
NE5563	Allegro		
	Micro	ULN8163	
NE5568	Allegro		
	Micro	NE5568	
NE558	Samsung	NE558	
NE5601	Allegro		
	Micro	ULN2001	
	National	μA9665	
		DS2001	
	SGS-Thomson		
		ULN2001	
NE5602	Allegro		
	Micro	ULN2002	
	National	μA9666	
		DS2002	
	SGS-Thomson		
		ULN2002	
NE5603	Allegro		
	Micro	ULN2003	
	National	μA9667	
		DS2003	
	SGS-Thomson		
		ULN2003	
NE5604	Allegro		
	Micro	ULN2004	
	National	μA9668	
		DS2004	
	SGS-Thomson		
		ULN2004	
NE564	Allegro		
	Micro	NE564	
NE567	Exar	XR567	
	Samsung	LM567	
NE582	National	DS75494	
NE592	TI	NE592	
NE594	Allegro		
	Micro	UDN6118	
	Exar	XR6118	
	Signetics	UDN6118	
NE602	GEC Plessey	SL6652	
		SL6654	
NE604	GEC Plessey	SL6652	
		SL6654	
NE605	GEC Plessey	SL6654	
NE8392	Crystal	CS83C92	
	Fujitsu	MBL8392	
N27HC641	Fujitsu	MB71C44	
		MB7144	
N3101	AMD	AM27S02	
N5111	Allegro		
	Micro	ULN2111	
N5556	Motorola	MC1456	
N5558	Motorola	MC1458	
N5595	Motorola	MC1495	
N5596	Motorola	MC1496	
N5709	Motorola	MC1709	
N5723	Motorola	MC1723	
N5741	Motorola	MC1741	
N5747	Motorola	MC1747	
N5748	Motorola	MC1747	
		MC1748	
N74F151	Mitsubishi	M74F151A	
	Motorola	MC74F151	
	National	74F151	
	Signetics	N74F151A	
		74F151	
	TI	SN74F151	
		SN74F151A	
N74F151A	Mitsubishi	M74F151A	
	Motorola	MC74F151	
	National	74F151	
	Signetics	N74F151	
		74F151	
	TI	SN74F151	
		SN74F151A	
N74F158A	Mitsubishi	M74F158A	
	Motorola	MC74F158	
		MC74F158A	
	National	74F158	
	Signetics	74F158	
	TI	SN74F158A	
N74F189	AMD	AM27S03	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Signetics			**(Cont'd)**
N74F251A	Mitsubishi	M74F251A	
	Motorola	MC74F251	
	National	74F251	
	Signetics	74F251	
	TI	SN74F251	
		SN74F251A	
N74F257A	Mitsubishi	M74F257A	
	Motorola	MC74F257	
		MC74F257A	
	National	74F257	
	Signetics	74F257	
	TI	SN74F257	
N74F258A	Mitsubishi	M74F258A	
	Motorola	MC74F258	
		MC74F258A	
	National	74F258	
	Signetics	74F258	
	TI	SN74F258	
N74F410	National	74F410	
N74F455	TI	SN74F455	
N74F574	Harris	CD74FCT574	
	Mitsubishi	M74F574	
	National	74F574	
	TI	SN74F574	
N74F582	National	74F582	
N74F646	Harris	CD74FCT646	
N74F646A	Mitsubishi	M74F646	
	National	74F646	
	Signetics	**74F646**	**(3655)**
		74F646A	**(3655)**
	TI	SN74F646	
N74F648A	Mitsubishi	M74F648	
	National	74F648	
	Signetics	**74F648**	**(3655)**
		74F648A	**(3655)**
N74F651A	**Signetics**	**74F651**	**(3656)**
		74F651A	**(3656)**
N74F652A	**Signetics**	**74F652**	**(3656)**
		74F652A	**(3656)**
♦ N74H00	Lansdale	ML74H00	
		SL74H00	
♦ N74H01	Lansdale	ML74H01	
		SL74H01	
♦ N74H04	Lansdale	ML74H04	
♦ N74H05	Lansdale	ML74H05	
♦ N74H08	Lansdale	ML74H08	
		SL74H08	
♦ N74H10	Lansdale	ML74H10	
		SL74H10	
♦ N74H101	Lansdale	ML74H101	
		SL74H101	
♦ N74H102	Lansdale	ML74H102	
		SL74H102	
♦ N74H103	Lansdale	ML74H103	
		SL74H103	
♦ N74H106	Lansdale	SL74H106	
♦ N74H108	Lansdale	ML74H108	
		SL74H108	
♦ N74H11	Lansdale	ML74H11	
		SL74H11	
♦ N74H20	Lansdale	ML74H20	
		SL74H20	
♦ N74H21	Lansdale	ML74H21	
		SL74H21	
♦ N74H22	Lansdale	ML74H22	
		SL74H22	
♦ N74H30	Lansdale	ML74H30	
		SL74H30	
♦ N74H40	Lansdale	ML74H40	
		SL74H40	
♦ N74H50	Lansdale	ML74H50	
♦ N74H51	Lansdale	ML74H51	
♦ N74H52	Lansdale	ML74H52	
		SL74H52	
♦ N74H53	Lansdale	ML74H53	
		SL74H53	
♦ N74H54	Lansdale	ML74H54	
		SL74H54	
♦ N74H55	Lansdale	ML74H55	
		SL74H55	
♦ N74H60	Lansdale	ML74H60	
		SL75H60	
♦ N74H61	Lansdale	ML74H61	
		SL74H61	
♦ N74H62	Lansdale	ML74H62	
		SL74H62	
♦ N74H71	Lansdale	ML74H71	
		SL74H71	
♦ N74H72	Lansdale	ML74H72	
		SL74H72	
♦ N74H73	Lansdale	ML74H73	
		SL74H73	
♦ N74H74	Lansdale	ML74H74	
		SL74H74	
♦ N74H76	Lansdale	SL74H76	
N74S350	AMD	AM25S10	
♦ N7400	Lansdale	ML7400	
♦ N7401	Lansdale	ML701	
		ML7401	
		SL7401	
♦ N7402	Lansdale	ML7402	
		SL7402	
♦ N7403	Lansdale	ML7403	
♦ N7404	Lansdale	ML7404	
♦ N7405	Lansdale	ML7405	
♦ N7406	Lansdale	ML7406	
♦ N7407	Lansdale	ML7407	
♦ N7408	Lansdale	ML7408	
♦ N7409	Lansdale	ML7409	
		SL7409	
♦ N7410	Lansdale	ML7410	
♦ N74100	Lansdale	ML74100	
		SL74100	
♦ N74107	Lansdale	ML74107	
♦ N74121	Lansdale	ML74121	
♦ N74123	Lansdale	ML74123	
♦ N7413	Lansdale	ML7413	
♦ N74141	Lansdale	ML74141	
♦ N74145	Lansdale	ML74145	
♦ N74150	Lansdale	ML74150	
♦ N74151	Lansdale	ML74151	
♦ N74152	Lansdale	ML74152	
		SL74152	
♦ N74153	Lansdale	ML74153	
♦ N74154	Lansdale	ML74154	
♦ N74155	Lansdale	ML74155	
♦ N7416	Lansdale	ML7416	
♦ N74160	Lansdale	ML74160	
♦ N74162	Lansdale	ML74162	
♦ N74163	Lansdale	ML74163	
♦ N74164	Lansdale	ML74164	
♦ N74165	Lansdale	ML74165	
♦ N74166	Lansdale	ML74166	
♦ N7417	Lansdale	ML7417	
♦ N74174	Lansdale	ML74174	
♦ N74175	Lansdale	ML74175	
♦ N74180	Lansdale	ML74180	
♦ N74181	Lansdale	ML74181	
♦ N74182	Lansdale	ML74182	
		SL74182	
♦ N74190	Lansdale	ML74190	
♦ N74191	Lansdale	ML74191	
♦ N74192	Lansdale	ML74192	
♦ N74193	Lansdale	ML74193	
♦ N74195	Lansdale	ML74195	
♦ N74198	Lansdale	ML74198	
		SL74198	
♦ N74199	Lansdale	ML74199	
♦ N7420	Lansdale	ML7420	
♦ N7426	Lansdale	ML7426	
♦ N7430	Lansdale	ML7430	
♦ N7437	Lansdale	ML7437	
♦ N7438	Lansdale	ML7438	
♦ N7440	Lansdale	ML7440	
♦ N7441	Lansdale	ML7441	
♦ N7442	Lansdale	ML7442	
♦ N7443	Lansdale	ML7443	
♦ N7444	Lansdale	ML7444	
♦ N7445	Lansdale	ML7445	
♦ N7446	Lansdale	ML7446	
♦ N7447	Lansdale	ML7447	
		SL7447	
♦ N7448	Lansdale	ML7448	
		SL7448	
♦ N7450	Lansdale	ML7450	
♦ N7451	Lansdale	ML7451	
♦ N7453	Lansdale	ML7453	
		SL7453	
♦ N7454	Lansdale	ML7454	
		SL7454	
♦ N7460	Lansdale	ML7460	
		SL7460	
♦ N7470	Lansdale	ML7470	
		SL7470	
♦ N7472	Lansdale	ML7472	
		SL7472	
♦ N7473	Lansdale	ML7473	
♦ N7474	Lansdale	ML7474	
♦ N7475	Lansdale	ML7475	
♦ N7476	Lansdale	ML7476	
♦ N7480	Lansdale	ML7480	
		SL7480	
♦ N7483	Lansdale	ML7483	
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♦ N7486	Lansdale	ML7486	
♦ N7490	Lansdale	ML7490	
♦ N7491	Lansdale	ML7491	
♦ N7492	Lansdale	ML7492	
♦ N7493	Lansdale	ML7493	
♦ N7495	Lansdale	ML7495	
♦ N7496	Lansdale	ML7496	
N8T13	National	DS75121	
N8T15	Motorola	MC1488	
	National	DS75150	
N8T16	Motorola	MC1489	
N8T23	National	DS75123	
N8T24	National	DS75124	
N8T26	Motorola	MC8T26	
	National	DS8T26	
N8T28	Motorola	MC8T28	
	National	DS8T28	
N8T34	National	DS8834	
N8T37	Motorola	MC3437	
	National	DS8837	
N8T38	National	DS8838	
N8T380	National	DS8836	
N8T95	Motorola	MC8T95	
N8T96	Motorola	MC8T96	
N8T97	Motorola	MC8T97	
N8T98	Motorola	MC8T98	
N8X305	Micro-C	8X305	
N8X3051	Micro-C	8X3051	
N8X371	Micro-C	8X371	
N82HS1281	Fujitsu	MB71C46	
	Waferscale	WS57C51	
N82HS187	AMD	AM27S35	
		63RS881	
	Fujitsu	MB7232	
N82HS189	AMD	AM27S37	
		63RS881	
	Fujitsu	MB7232	
N82HS195	AMD	AM27S41	
N82HS197	AMD	AM27S45	
N82HS199	AMD	AM27S47	
N82HS321	AMD	AM27S43	
	Fujitsu	MB7142	
	ICT	27CX321	
	Micro-C	82HS321	
	Waferscale	WS57C43	
N82HS321A	ICT	27CX321C-35	
N82HS3212-55DC			
	ICT	27CX321C-45	
N82HS641	AMD	AM27S49	
	Cypress	CY7C264	
	Fujitsu	MB71C44	
		MB7144	
	ICT	27CX641	
	NEC	μPD27HC65	
	Waferscale	WS57C49	
N82HS641AF	ICT	27CX641C-45	
N82HS641AN	ICT	27CX641C-45	
N82HS641FN	ICT	27CX641C-55	
N82HS641N	ICT	27CX641C-55	
N82LS16	AMD	AM27LS00	
N82LS181	Cypress	CY7C282	
N82S09	Micro-C	82S09	
N82S115	AMD	AM27S31	
N82S123	AMD	AM27S19	
	Fujitsu	MB7112	
	Micro-C	82S123	
N82S126	Fujitsu	MB7113	
N82S129	AMD	AM27S21	
	Fujitsu	MB7114	
N82S130	Fujitsu	MB7115	
N82S131	AMD	AM27S13	
	Fujitsu	MB7116	
N82S135	AMD	63S281	
	Fujitsu	MB7118	
N82S137	AMD	AM27S33	
	Fujitsu	MB7122	
N82S141	AMD	AM27S31	
N82S147	AMD	AM27S29	
	Fujitsu	MB7124	
N82S181	AMD	AM27S181	
		AM27S281	
	Cypress	CY7C282	
	Fujitsu	MB7132	
	Gould AMI	S25089	
N82S185	AMD	AM27S185	
	Fujitsu	MB7128	
N82S191	AMD	AM27PS191	
		AM27S191	
		AM27S291	
	Cypress	CY7C291	
		CY7C292	
	Fujitsu	MB71A38	
		MB7138	
			(Continued)
N82S191			(Cont'd)
	Waferscale	WS57C191	
		WS57C291	
N82S23	Fujitsu	MB7111	
N82S321	Fujitsu	MB7142	
N82S62	AMD	N82S62	
N82S641	NEC	μPD27HC65	
	Waferscale	WS57C49	
♦ N8200	Lansdale	ML7200	
♦ N8201	Lansdale	ML7201	
♦ N8202	Lansdale	ML7202	
♦ N8203	Lansdale	ML7203	
♦ N8233	Lansdale	ML7233	
♦ N8234	Lansdale	ML7234	
♦ N8235	Lansdale	ML7235	
♦ N8241	Lansdale	ML7241	
♦ N8242	Lansdale	ML7242	
♦ N8250	Lansdale	ML7250	
♦ N8251	Lansdale	ML7251	
♦ N8260	Lansdale	ML7260	
♦ N8261	Lansdale	ML7261	
♦ N8266	Lansdale	ML7266	
♦ N8267	Lansdale	ML7267	
♦ N8270	Lansdale	ML7270	
♦ N8271	Lansdale	ML7271	
♦ N8280	Lansdale	ML7280	
♦ N8281	Lansdale	ML7281	
♦ N8284	Lansdale	ML7284	
♦ N8285	Lansdale	ML7285	
♦ N8288	Lansdale	ML7288	
♦ N8290	Lansdale	ML7290	
♦ N8291	Lansdale	SL7291	
♦ N8455	Lansdale	ML7440	
♦ N8471	Lansdale	ML7412	
♦ N8806	Lansdale	ML7460	
		SL7460	
♦ N8808	Lansdale	ML7430	
♦ N8824	Lansdale	ML7474	
♦ N8825	Lansdale	ML7470	
		SL7470	
♦ N8828	Lansdale	ML7479	
♦ N8829	Lansdale	ML7472	
		SL7472	
♦ N8840	Lansdale	ML7450	
♦ N8848	Lansdale	ML7453	
		SL7453	
♦ N8875	Lansdale	ML7427	
PCA5000	GEC Plessey	MV6639	
PCB1309	Micro-C	1309	
PCD3310	UMC	UM91310	
PCD3311	GEC Plessey	MV5089	
PC74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson		
		M74HC240	
	Sharp	LR74HC240	
	Signetics	74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
PC74HC253	Harris	CD74HC253	
	Hitachi	HD74HC253	
	Mitsubishi	M74HC253	
	Motorola	MC74HC253	
	National	MM74HC253	
	NJR	NJU74HC253	
	SGS-Thomson		
		M74HC253	
	Sharp	LR74HC253	
	TI	SN74HC253	
	Toshiba	TC74HC253	
PC74HC7030	GEC Plessey	MV66030	
PHD16N8	Lattice	GAL16V8	
		GAL18V10	
PLC153	**Gould AMI**	**PEEL153**	**(3499)**
PLC16V8	Samsung	CPL16V8	
	TI	EP330	
PLC18V8	ATMEL	AT18V8	
	TI	EP330	
PLC20V8	Samsung	CPL20V8	
	TI	TICPAL22V10	
PLC415	ATMEL	ATS415	
PLC42VA12	ATMEL	ATS42VA12	
PLHS16L8	Lattice	GAL16V8	
	Samsung	CPL16L8	
	TI	TIBPAL16L8	
PLHS18P8	AMD	AMPAL18P8	
	Gould AMI	**PEEL18CV8**	**(3499)**
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Signetics			**(Cont'd)**
PLHS18P8			(Cont'd)
	ICT	PEEL18CV8	
	Lattice	GAL16V8	
		GAL18V10	
PLS105	AMD	PLS105	
	TI	TIB82S105	
PLS153	**Gould AMI**	**PEEL153**	**(3499)**
	ICT	PEEL153	
		PEEL253	
	Lattice	GAL16V8	
		GAL18V10	
PLS167	AMD	PLS167	
	TI	TIB82S167	
PLS168	AMD	PLS168	
PLS173	Gould AMI	PEEL173	
	ICT	PEEL173	
		PEEL273	
PLUS105	TI	TIB82S105	
PLUS16L8	AMD	PAL16L8	
	Lattice	GAL16V8	
	TI	TIBPAL16L8	
PLUS16R4	AMD	PAL16R4	
	Lattice	GAL16V8	
	TI	TIBPAL16R4	
PLUS16R6	AMD	PAL16R6	
	Lattice	GAL16V8	
	TI	TIBPAL16R6	
PLUS16R8	AMD	PAL16R8	
	Lattice	GAL16V8	
	TI	TIBPAL16R6	
PLUS20L8	AMD	PAL20L8	
	Lattice	GAL20V8	
	TI	TIBPAL20L8	
PLUS20R4	AMD	PAL20R4	
	Lattice	GAL20V8	
	TI	TIBPAL20R4	
PLUS20R6	AMD	PAL20R6	
	Lattice	GAL20V8	
	TI	TIBPAL20R6	
PLUS20R8	AMD	PAL20R8	
	Lattice	GAL20V8	
	TI	TIBPAL20R8	
PLUS405	AMD	PLS30S16	
PML2552	ATMEL	ATS2552	
SAA1027	Allegro Micro	UCN5804	
SAA1710	GEC Plessey	MV1710	
SAA1720	GEC Plessey	MV1720	
SAA3004	GEC Plessey	MV500	
SAA3006	GEC Plessey	MV500	
SAA3027	GEC Plessey	MV500	
SAA3028	GEC Plessey	MV500	
SAA5190	GEC Plessey	MV1815	
SAA5231	GEC Plessey	MV1815	
SAA5235	GEC Plessey	MV1815	
SAA5236	GEC Plessey	MV1815	
SAA5243	GEC Plessey	MV1815	
SAA5245	GEC Plessey	MV1815	
SAA5246	GEC Plessey	MV1815	
SAA9041	GEC Plessey	MV1815	
SAB1018	GEC Plessey	SP4653	
		SP4660	
SAB1164	GEC Plessey	SP4632	
		SP8755	
SAB1165	GEC Plessey	SP8755	
SAB1534	GEC Plessey	SP4780	
SA1034	GEC Plessey	SP8610	
SA1458	SGS-Thomson		
		MC1458	
SA1534	GEC Plessey	SP8610	
SA4558	SGS-Thomson		
		MC4558	
SA5230	Harris	CA5160	
SA532	AD	OP221	
	National	LM2904	
	SGS-Thomson		
		LM2904	
SA534	AD	OP421	
	National	LM2902	
	SGS-Thomson		
		LM2902	
SA5534	**AD**	**SSM2134**	**(3354)**
SA555	TI	SA555	
		TLC555	
SA556	Harris	ICM7556	
	TI	SA556	
		TLC556	
SA594	Allegro Micro	UDQ6118	
SA723	Harris	CA0723	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SA741	SGS-Thomson		
		μA741	
SCC80C31	Siemens	SAB80C31	
SCC80C32B	Siemens	SAB80C32	
SCC80C51	Siemens	SAB80C51	
SCC80C52B	Siemens	SAB80C52	
SCN2651	Micro-C	2651	
SCN2661	Micro-C	2661	
SCN2674	SMC	CRT9007	
SCN2675	SMC	CRT9041	
SCN2681	Exar	XR88C681	
	Micro-C	2681	
SCN68000	**Krueger**	**68000**	**(3548)**
	Micro-C	68000	
SCN68681	Micro-C	68681	
SCN8031	Krueger	8031	
	Micro-C	8031	
	Siemens	SAB8031	
SCN8032	Siemens	SAB8032	
SCN8039	Krueger	8039	
	Micro-C	8039	
SCN8051	Micro-C	8051	
	Siemens	SAB8051	
SCN8052	Siemens	SAB8052	
SCN8052AH	Siemens	8052B	
SC80C31	Micro-C	80C31	
♦ SE101	Lansdale	SL101	
♦ SE102	Lansdale	SL102	
♦ SE105	Lansdale	SL105	
♦ SE106	Lansdale	SL106	
♦ SE110	Lansdale	SL110	
♦ SE111	Lansdale	SL111	
♦ SE112	Lansdale	SL112	
♦ SE113	Lansdale	SL113	
♦ SE115	Lansdale	SL115	
♦ SE116	Lansdale	SL116	
♦ SE124	Lansdale	SL124	
♦ SE125	Lansdale	SL125	
♦ SE150	Lansdale	SL150	
♦ SE155	Lansdale	SL155	
♦ SE156	Lansdale	SL156	
♦ SE157	Lansdale	SL157	
♦ SE160	Lansdale	SL160	
♦ SE161	Lansdale	SL161	
♦ SE162	Lansdale	SL162	
♦ SE170	Lansdale	SL170	
♦ SE180	Lansdale	SL180	
♦ SE181	Lansdale	SL181	
♦ SE415	Lansdale	SL415	
♦ SE416	Lansdale	SL416	
♦ SE417	Lansdale	SL417	
♦ SE440	Lansdale	SL440	
♦ SE455	Lansdale	SL455	
SE4558	**AD**	**OP14**	**(3343)**
♦ SE470	Lansdale	SL470	
♦ SE471	Lansdale	SL471	
♦ SE480	Lansdale	SL480	
♦ SE481	Lansdale	SL481	
♦ SE490	Lansdale	SL490	
SE5105	Elantec	EL2018	
♦ SE511	Lansdale	SL511	
SE5118	National	DAC0830	
SE521	Elantec	EL2252	
♦ SE526	Lansdale	SL526	
SE527	Elantec	EL2018	
SE529	National	LM161	
SE530	AD	OP42	
	Elantec	EL2041	
SE531	AD	OP42	
	Elantec	EHA2515	
	Motorola	MC1539	
SE532	AD	OP221	
	National	LM158	
SE533	Motorola	MC1556	
SE537	Motorola	MC1556	
SE538	AD	OP42	
	Elantec	EHA2520	
SE5410	National	DAC1020	
SE550	Motorola	MC1723	
SE5512	**AD**	**OP14**	**(3343)**
SE5514	AD	OP11	
SE5532	AD	OP270	
	Elantec	EL2224	
	Harris	HA5102	
SE5534	Harris	HA5101	
	LinearTech	LT1037	
		OP37	
	TI	SE5534	
SE5534FE	TI	SE5534JG	
SE5535	AD	OP271	
SE5539	Elantec	EL2038	
		EL2039	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SE5539			(Cont'd)
	GEC Plessey	SL541	
	Harris	HA2539	
SE555	SGS-Thomson		
		SE558	
	TI	SE555	
		TLC555	
SE555FE	TI	SE555JG	
SE556	Harris	ICM7556	
	TI	SE556	
		TLC556	
SE556-1F	TI	SE556J	
SE5561	Motorola	MC35060	
SE567	National	LM567	
SE592	Motorola	SE592	
	Signetics	SE592	
SE6012	AMD	AM6012	
♦ SE616	Lansdale	SL616	
♦ SE620	Lansdale	SL620	
♦ SE629	Lansdale	SL629	
♦ SE631	Lansdale	SL631	
♦ SE659	Lansdale	SL659	
♦ SE670	Lansdale	SL670	
♦ SE680	Lansdale	SL680	
♦ SE690	Lansdale	SL690	
SG2524	Unitrode	UC2524	
SG3524	Exar	XR3524	
	LinearTech	LT3524	
		SG3524	
	SGS-Thomson		
		SG3524	
	Unitrode	UC3524	
SG3526	Unitrode	UC1526	
		UC3526	
♦ SL5447	Lansdale	ML5447	
		SL5447	
♦ SN74H10	Rochester	74H10	
SN74S244	AMD	SN74S244	
SN74S350	AMD	AM25S10	
SN82S185	Micro-C	82S185	
♦ SP300	Lansdale	SL300	
♦ SP301	Lansdale	SL301	
♦ SP302	Lansdale	SL302	
♦ SP304	Lansdale	SL304	
♦ SP305	Lansdale	SL305	
♦ SP306	Lansdale	SL306	
♦ SP314	Lansdale	SL314	
♦ SP315	Lansdale	SL315	
♦ SP316	Lansdale	SL316	
♦ SP317	Lansdale	SL317	
♦ SP320	Lansdale	SL320	
♦ SP321	Lansdale	SL321	
♦ SP322	Lansdale	SL322	
♦ SP3271	Lansdale	SL3271	
♦ SP328	Lansdale	SL328	
♦ SP3280	Lansdale	SL3280	
♦ SP3281	Lansdale	SL3281	
♦ SP331	Lansdale	SP331	
♦ SP332	Lansdale	SL332	
♦ SP333	Lansdale	SL333	
♦ SP334	Lansdale	SL334	
♦ SP337	Lansdale	SL337	
♦ SP352	Lansdale	SL252	
♦ SP356	Lansdale	SL356	
♦ SP357	Lansdale	SL357	
♦ SP358	Lansdale	SL358	
♦ SP362	Lansdale	SL362	
♦ SP363	Lansdale	SL363	
♦ SP370	Lansdale	SL370	
♦ SP374	Lansdale	SL374	
♦ SP375	Lansdale	SL375	
♦ SP377	Lansdale	SL377	
♦ SP380	Lansdale	SL380	
♦ SP381	Lansdale	SL381	
♦ SP384	Lansdale	SL384	
♦ SP387	Lansdale	SL387	
♦ SP391	Lansdale	SL391	
S2960	AMD	AM2960	
♦ S54H00	Lansdale	ML54H00	
		SL54H00	
♦ S54H01	Lansdale	ML54H01	
		SL54H01	
♦ S54H04	Lansdale	ML54H04	
♦ S54H05	Lansdale	ML54H05	
♦ S54H08	Lansdale	ML54H08	
		SL54H08	
♦ S54H10	Lansdale	ML54H10	
		SL54H10	
♦ S54H101	Lansdale	ML54H101	
		SL54H101	
♦ S54H102	Lansdale	ML54H102	
		SL54H102	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ S54H103	Lansdale	ML54H103	
		SL54H103	
♦ S54H106	Lansdale	ML54H106	
♦ S54H108	Lansdale	ML54H108	
		SL54H108	
♦ S54H11	Lansdale	ML54H11	
		SL54H11	
♦ S54H20	Lansdale	ML54H20	
		SL54H20	
♦ S54H21	Lansdale	ML54H21	
		SL54H21	
♦ S54H22	Lansdale	ML54H22	
		SL54H22	
♦ S54H30	Lansdale	ML54H30	
		SL54H30	
♦ S54H40	Lansdale	ML54H40	
		SL54H40	
♦ S54H50	Lansdale	ML54H50	
♦ S54H52	Lansdale	ML54H52	
		SL54H52	
♦ S54H53	Lansdale	ML54H53	
		SL54H53	
♦ S54H54	Lansdale	ML54H54	
		SL54H54	
♦ S54H55	Lansdale	ML54H55	
		SL54H55	
♦ S54H60	Lansdale	ML54H60	
		ML54H61	
		SL54H60	
		SL54H61	
♦ S54H62	Lansdale	ML54H62	
		SL54H62	
♦ S54H71	Lansdale	ML54H71	
		SL54H71	
♦ S54H72	Lansdale	ML54H72	
		SL54H72	
♦ S54H73	Lansdale	ML54H73	
		SL54H73	
♦ S54H74	Lansdale	ML54H74	
		SL54H74	
♦ S54H76	Lansdale	ML54H76	
S54S189	Cypress	CY54S189	
♦ S5400	Lansdale	ML5400	
♦ S5401	Lansdale	ML5401	
		SL5401	
♦ S5402	Lansdale	ML5402	
		SL5402	
♦ S5403	Lansdale	ML5403	
♦ S5404	Lansdale	ML5404	
♦ S5405	Lansdale	ML5405	
♦ S5406	Lansdale	ML5406	
♦ S5407	Lansdale	ML5407	
♦ S5408	Lansdale	ML5408	
♦ S5409	Lansdale	ML5409	
		SL5409	
♦ S5410	Lansdale	ML5410	
♦ S54100	Lansdale	ML54100	
		ML54111	
		SL54100	
♦ S54107	Lansdale	ML54107	
♦ S5413	Lansdale	ML5413	
♦ S54152	Lansdale	ML54152	
		SL54152	
♦ S5416	Lansdale	ML5416	
♦ S5417	Lansdale	ML5417	
♦ S54182	Lansdale	ML54182	
		SL54182	
♦ S54198	Lansdale	ML54198	
		SL54198	
♦ S5420	Lansdale	ML5420	
♦ S5426	Lansdale	ML5426	
♦ S5430	Lansdale	ML5430	
♦ S5437	Lansdale	ML5437	
♦ S5438	Lansdale	ML5438	
♦ S5440	Lansdale	ML5440	
♦ S5441	Lansdale	ML5441	
♦ S5442	Lansdale	ML5442	
♦ S5443	Lansdale	ML5443	
♦ S5444	Lansdale	ML5444	
♦ S5445	Lansdale	ML5445	
♦ S5448	Lansdale	ML5448	
		SL5448	
♦ S5450	Lansdale	ML5450	
♦ S5451	Lansdale	ML5451	
♦ S5453	Lansdale	ML5453	
		SL5453	
♦ S5454	Lansdale	ML5454	
		SL5454	
♦ S5460	Lansdale	ML5460	
		SL5460	
♦ S5470	Lansdale	ML5470	
		SL5470	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Signetics		**(Cont'd)**	
♦ S5472	Lansdale	ML5472	
		SL5472	
♦ S5473	Lansdale	ML5473	
♦ S5474	Lansdale	ML5474	
♦ S5475	Lansdale	ML5475	
♦ S5476	Lansdale	ML5476	
♦ S5480	Lansdale	ML5480	
		SL5480	
♦ S5483	Lansdale	ML5483	
♦ S5486	Lansdale	ML5486	
♦ S5490	Lansdale	ML5490	
♦ S5491	Lansdale	ML5491	
♦ S5492	Lansdale	ML5492	
♦ S5493	Lansdale	ML5493	
♦ S5495	Lansdale	ML5495	
♦ S8H16	Lansdale	SL8H16	
♦ S8H20	Lansdale	SL8H20	
♦ S8H21	Lansdale	SL8H21	
♦ S8H22	Lansdale	SL8H22	
♦ S8H70	Lansdale	SL8H70	
♦ S8H80	Lansdale	SL8H80	
♦ S8T04	Lansdale	SL8T04	
♦ S8T05	Lansdale	SL8T05	
♦ S8T06	Lansdale	SL8T06	
♦ S8T10	Lansdale	SL8T10	
♦ S8T125	Lansdale	SL8T125	
♦ S8T126	Lansdale	SL8T126	
♦ S8T129	Lansdale	SL8T129	
♦ S8T14	Lansdale	SL8T14	
♦ S8T15	Lansdale	SL8T15	
♦ S8T16	Lansdale	SL8T16	
♦ S8T18	Lansdale	SL8T18	
♦ S8T20	Lansdale	SL8T20	
♦ S8T24	Lansdale	SL8T24	
♦ S8T245	Lansdale	SL8T245	
♦ S8T26	Lansdale	SL8T26	
♦ S8T28	Lansdale	SL8T28	
♦ S8T31	Lansdale	SL8T31	
♦ S8T32	Lansdale	SL8T32	
♦ S8T33	Lansdale	SL8T33	
♦ S8T3404	Lansdale	SL8T3404	
♦ S8T35	Lansdale	SL8T35	
♦ S8T36	Lansdale	SL8T36	
♦ S8T380	Lansdale	SL8T380	
♦ S8T80	Lansdale	SL8T80	
♦ S8T90	Lansdale	SL8T90	
♦ S8T96	Lansdale	SL8T96	
♦ S8162	Lansdale	SL8162	
S82HS641	Cypress	CY7C264	
S82LS181	Cypress	CY7C282	
S82S181	Cypress	CY7C282	
	Gould AMI	S25089	
S82S191	Cypress	CY7C291	
		CY7C292	
S82S25	AMD	SN74S289	
♦ S8200	Lansdale	ML8200	
		SL8200	
♦ S8201	Lansdale	ML8201	
		SL8201	
♦ S8202	Lansdale	SL8202	
♦ S8203	Lansdale	ML8203	
		SL8203	
♦ S8221	Lansdale	SL8221	
♦ S8230	Lansdale	SL8230	
♦ S8231	Lansdale	SL8231	
♦ S8232	Lansdale	SL8232	
♦ S8233	Lansdale	ML8233	
♦ S8234	Lansdale	ML8234	
		SL8234	
♦ S8235	Lansdale	ML8235	
		SL8235	
♦ S8241	Lansdale	ML8241	
		SL8241	
♦ S8242	Lansdale	ML8242	
♦ S8243	Lansdale	SL8243	
♦ S8250	Lansdale	ML8250	
		SL8250	
♦ S8251	Lansdale	ML8251	
		SL8251	
♦ S8252	Lansdale	ML8252	
♦ S8260	Lansdale	ML8260	
		SL8260	
♦ S8261	Lansdale	ML8261	
		SL8261	
♦ S8263	Lansdale	SL8263	
♦ S8264	Lansdale	SL8264	
♦ S8266	Lansdale	ML8266	
		SL8266	
♦ S8267	Lansdale	ML8267	
		SL8267	
♦ S8269	Lansdale	SL8269	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ S8270	Lansdale	ML8270	
		SL8270	
♦ S8271	Lansdale	ML8271	
		SL8271	
♦ S8273	Lansdale	SL8273	
♦ S8274	Lansdale	SL8274	
♦ S8275	Lansdale	SL8275	
♦ S8277	Lansdale	SL8277	
♦ S8280	Lansdale	ML8280	
		SL8280	
♦ S8281	Lansdale	ML8281	
		SL8281	
♦ S8284	Lansdale	ML8284	
		SL8284	
♦ S8285	Lansdale	ML8285	
		SL8285	
♦ S8288	Lansdale	ML8288	
		SL8288	
♦ S8290	Lansdale	ML8290	
		SL8290	
♦ S8291	Lansdale	ML8291	
		SL8291	
♦ S8292	Lansdale	SL8292	
♦ S8293	Lansdale	SL8293	
♦ S8415	Lansdale	SL8415	
♦ S8416	Lansdale	SL8416	
♦ S8417	Lansdale	SL8417	
♦ S8440	Lansdale	SL8440	
♦ S8455	Lansdale	SL8455	
♦ S8470	Lansdale	SL8470	
♦ S8471	Lansdale	SL8471	
♦ S8480	Lansdale	SL8480	
♦ S8481	Lansdale	SL8481	
♦ S8490	Lansdale	SL8490	
♦ S8808	Lansdale	SL8808	
♦ S8815	Lansdale	SL8815	
♦ S8816	Lansdale	SL8816	
♦ S8819	Lansdale	SL8819	
♦ S8821	Lansdale	SL8821	
♦ S8822	Lansdale	SL8822	
♦ S8824	Lansdale	SL8824	
♦ S8825	Lansdale	SL8825	
♦ S8827	Lansdale	SL8827	
♦ S8828	Lansdale	SL8828	
♦ S8829	Lansdale	SL8829	
♦ S8840	Lansdale	8840	
♦ S8848	Lansdale	SL8848	
♦ S8855	Lansdale	SL8855	
♦ S8859	Lansdale	SL8859	
♦ S8870	Lansdale	SL8870	
♦ S8875	Lansdale	SL8875	
♦ S8879	Lansdale	SL8879	
♦ S8880	Lansdale	SL8880	
♦ S8881	Lansdale	SL8881	
♦ S8885	Lansdale	SL8885	
♦ S8889	Lansdale	SL8889	
TL0062MJ7B/C			
	TI	TL062JGB	
TSA5510	GEC Plessey	SP5510	
UAA2033	GEC Plessey	SL6639	
UA733/BCA	TI	UA733MJB	
UA733F	TI	UA733MJ	
UC2842	Signetics	UC2842	
UC3842	Astec Semi	AS3842	
ULN2001	SGS-Thomson		
		ULN2001	
		ULQ2001	
ULN2002	SGS-Thomson		
		ULN2002	
		ULQ2002	
ULN2003	Allegro		
	Micro	ULN2003	
	SGS-Thomson		
		ULN2003	
		ULQ2003	
ULN2004	Allegro		
	Micro	ULN2004	
	SGS-Thomson		
		ULN2004	
		ULQ2004	
100101	**Synergy**	**SY100S301 (3709)**	
100102	**Synergy**	**SY100S302 (3709)**	
100104	**Synergy**	**SY100S304 (3709)**	
100107	**Synergy**	**SY100S307 (3709)**	
100113	**Synergy**	**SY100S313 (3709)**	
100114	**Synergy**	**SY100S314 (3709)**	
100117	**Synergy**	**SY100S317 (3709)**	
100118	**Synergy**	**SY100S318 (3709)**	
100122	**Synergy**	**SY100S322 (3709)**	
100131	Synergy	SY100S331	
100136	**Synergy**	**SY100S336 (3709)**	
100141	**Synergy**	**SY100S341 (3709)**	
100150	**Synergy**	**SY100S350 (3709)**	

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Manufacturer Device	Replacement Source	Device	IC Master Page
100151	**Synergy**	**SY100S351 (3709)**	
100155	**Synergy**	**SY100S355 (3709)**	
100156	Synergy	SY100S356	
100160	**Synergy**	**SY100S360 (3709)**	
100163	**Synergy**	**SY100S363 (3709)**	
100164	**Synergy**	**SY100S364 (3709)**	
100165	Synergy	SY100S365	
100166	**Synergy**	**SY100S366 (3709)**	
100170	**Synergy**	**SY100S370 (3709)**	
100171	**Synergy**	**SY100S371 (3709)**	
100422	Cypress	CY100E422	
100474	Cypress	CY100E474	
10422	Cypress	CY10E422	
10474	Cypress	CY10474	
2101	Hughes	H1822	
2168	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
2536	SMC	COM1863	
2651	SMC	COM2651	
2652	SMC	COM5025	
2661	SMC	COM2661	
2690	Krueger	4116-120	
		4116-150	
		4116-200	
27C128	Krueger	27C128-200	
		27C128-250	
27C210	Krueger	27C210	
	NEC	μPD27C1024	
27C256	AMD	AM27C256	
	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	Waferscale	WS57C256	
27C256BXA-20			
	TI	SMJ27C256-20JM	
27C256BXA-25			
	TI	SMJ27C256-25JM	
27C256BXA-30			
	TI	SMJ27C256-30JM	
27C512	AMD	AM27C512	
	Waferscale	WS27C512	
27C64	Krueger	27C64-200	
		27C64-250	
		27C64-300	
	Micro-C	27C64	
27HC641	AMD	AM27C49	
	ICT	27CX641	
	Micro-C	27HC64	
	NEC	μPD27HC65	
	Waferscale	WS57C49	
27HC641-55	ICT	27CX641C-55	
27HC642	NEC	μPD27HC65	
	Waferscale	WS57C49	
27128	**Krueger**	**27128-200 (3548)**	
		27128-250 (3548)	
		27128-300 (3548)	
54F00	Motorola	MC54F00	
	National	54F00	
	TI	SN54F00	
54F04	Motorola	MC54F04	
	National	54F04	
	TI	SN54F04	
54F139	Motorola	MC54F139	
	National	54F139	
54F157	Motorola	MC54F157	
	National	54F157	
	TI	SN54F157A	
54F158	Motorola	MC54F158	
	National	54F158	
	TI	SN54F158A	
54F181	Motorola	MC54F181	
	National	54F181	
54F20	Motorola	MC54F20	
	National	54F20	
	TI	SN54F20	
54F240	National	54F240	
	TI	SN54F240	
54F241	Motorola	MC54F241	
	National	54F241	
	TI	SN54F241	
54F242	Motorola	MC54F242	
	National	54F242	
	TI	SN54F242	
54F243	Motorola	MC54F243	
	National	54F243	
	TI	SN54F243	
54F244	Motorola	MC54F244	
	National	54F244	
	TI	SN54F244	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54F245	Motorola	MC54F245	
	National	54F245	
	TI	SN54F245	
54F257	Motorola	MC54F257	
	National	54F257	
	TI	SN54F257	
54F258	Motorola	MC54F258	
	National	54F258	
	TI	SN54F258	
54F269	Motorola	MC54F269	
	National	54F269	
54F273	National	54F273	
	TI	SN54F273	
54F280	Motorola	MC54F280	
	National	54F280	
	TI	SN54F280B	
54F365	Motorola	MC54F365	
	National	54F365	
54F366	Motorola	MC54F366	
	National	54F366	
54F367	Motorola	MC54F367	
54F368	Motorola	MC54F368	
	National	54F368	
54F373	Motorola	MC54F373	
	National	54F373	
	TI	SN54F373	
54F374	Motorola	MC54F374	
	National	54F374	
	TI	SN54F374	
54F377	National	54F377	
54F521	Motorola	MC54F521	
	National	54F521	
	TI	SN54F521	
54F533	Motorola	MC54F533	
	National	54F533	
	TI	SN54F533	
54F534	Motorola	MC54F534	
	National	54F534	
	TI	SN54F534	
54F540	National	54F540	
54F545	National	54F545	
54F579	National	54F579	
54F620	National	54F620	
	TI	SN54F620	
54F64	Motorola	MC54F64	
	National	54F64	
	TI	SN54F64	
54F646	National	54F646	
54F648	National	54F648	
54F657	Motorola	MC54F657A	
		MC54F657B	
	National	54F657	
54F86	Motorola	MC54F86	
	National	54F86	
54HCT240	GEC Plessey	54HCT240SOS	
	Harris	CD54HCT240	
	Motorola	MC54HCT240A	
	National	MM54HCT240	
	TI	SN54HCT240	
54HCT244	GEC Plessey	54HCT244SOS	
	Harris	CD54HCT244	
	Motorola	MC54HCT244A	
	National	MM54HCT244	
	TI	SN54HCT244	
54HC240	Harris	CD54HC240	
	Motorola	MC54HC240A	
	National	MM54HC240	
	TI	SN54HC240	
54HC244	Harris	CD54HC244	
	Motorola	MC54HC244A	
	National	MM54HC244	
	TI	SN54HC244	
♦ 54H00	Rochester	54H00	
♦ 54H01	Rochester	54H01	
♦ 54H04	Rochester	54H04	
♦ 54H05	Rochester	54H05	
♦ 54H08	Rochester	54H08	
♦ 54H10	Rochester	54H10	
♦ 54H101	Rochester	54H101	
♦ 54H102	Rochester	54H102	
♦ 54H103	Rochester	54H103	
♦ 54H106	Rochester	54H106	
♦ 54H108	Rochester	54H108	
♦ 54H11	Rochester	54H11	
♦ 54H20	Rochester	54H20	
♦ 54H21	Rochester	54H21	
		5421	
♦ 54H22	Rochester	54H22	
♦ 54H30	Rochester	54H30	
♦ 54H40	Rochester	54H40	
♦ 54H50	Rochester	54H50	
♦ 54H51	Rochester	54H51	
♦ 54H52	Rochester	54H52	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Signetics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 54H53	Rochester	54H53	
♦ 54H54	Rochester	54H54	
♦ 54H55	Rochester	54H55	
♦ 54H60	Rochester	54H60	
♦ 54H61	Rochester	54H61	
♦ 54H62	Rochester	54H62	
♦ 54H71	Rochester	54H71	
♦ 54H72	Rochester	54H72	
♦ 54H73	Rochester	54H73	
♦ 54H74	Rochester	54H74	
♦ 54H76	Rochester	54H76	
54LS00	Motorola	SN54LS00	
	National	DM54LS00	
		54LS00	
	SGS-Thomson		
		T54LS00	
		54LS00	
	TI	SN54LS00	
54LS01	Motorola	SN54LS01	
	TI	SN54LS01	
54LS02	Motorola	SN54LS02	
	National	DM54LS02	
		54LS02	
	SGS-Thomson		
		T54LS02	
		54LS02	
	TI	SN54LS02	
54LS03	Motorola	SN54LS03	
	National	DM54LS03	
		54LS03	
	SGS-Thomson		
		54LS03	
	TI	SN54LS03	
54LS04	Motorola	SN54LS04	
	National	DM54LS04	
		54LS04	
	SGS-Thomson		
		T54LS04	
		54LS04	
	TI	SN54LS04	
54LS05	Motorola	SN54LS05	
	National	DM54LS05	
		54LS05	
	SGS-Thomson		
		T54LS05A	
		54LS05	
	TI	SN54LS05	
54LS08	Motorola	SN54LS08	
	National	DM54LS08	
		54LS08	
	TI	SN54LS08	
54LS09	Motorola	SN54LS09	
	National	DM54LS09	
		54LS09	
	SGS-Thomson		
		T54LS09	
		54LS09	
	TI	SN54LS09	
54LS10	Motorola	SN54LS10	
	National	DM54LS10	
		54LS10	
	SGS-Thomson		
		T54LS10	
		54LS10	
	TI	SN54LS10	
54LS107	Motorola	SN54LS107A	
	National	DM54LS107A	
	TI	SN54LS107A	
54LS109	Motorola	SN54LS109A	
	National	DM54LS109	
		54LS109	
	TI	SN54LS109A	
54LS11	Motorola	SN54LS11	
	National	DM54LS11	
		54LS11	
	SGS-Thomson		
		T54LS11	
		54LS11	
	TI	SN54LS11	
54LS112	Motorola	SN54LS112A	
	National	54LS112	
	TI	SN54LS112A	
54LS113	Motorola	SN54LS113A	
	National	54LS113	
54LS125A	Motorola	SN54LS125A	
	National	DM54LS125A	
		54LS125A	
	SGS-Thomson		
		54LS125A	
	TI	SN54LS125A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS126A	Motorola	SN54LS126A	
	National	54LS126	
	SGS-Thomson		
		54LS126	
	TI	SN54LS126A	
54LS13	Motorola	SN54LS13	
	National	54LS13	
	SGS-Thomson		
		T54LS13	
	TI	SN54LS13	
54LS132	Motorola	SN54LS132	
	National	DM54LS132	
	SGS-Thomson		
		T54LS132	
		54LS132	
	Signetics	54LS132A	
	TI	SN54LS132	
54LS132A	Motorola	SN54LS132	
	National	DM54LS132	
	SGS-Thomson		
		T54LS132	
		54LS132	
	Signetics	54LS132	
	TI	SN54LS132	
54LS136	Motorola	SN54LS136	
	National	DM54LS136	
		54LS136	
	SGS-Thomson		
		T54LS136	
		54LS136	
	TI	SN54LS136	
54LS138	Motorola	SN54LS138	
	National	DM54LS138	
		54LS138	
	SGS-Thomson		
		T54LS138	
		54LS138	
	TI	SN54LS138	
54LS139	Motorola	SN54LS139	
	National	DM54LS139	
		54LS139	
	SGS-Thomson		
		T54LS139	
		54LS139	
	TI	SN54LS139A	
54LS14	Motorola	SN54LS14	
	National	54LS14	
	SGS-Thomson		
		T54LS14	
		54LS14	
	TI	SN54LS14	
54LS151	Motorola	SN54LS151	
	National	DM54LS151	
		54LS151	
	SGS-Thomson		
		T54LS151	
		54LS151	
	TI	SN54LS151	
54LS153	Motorola	SN54LS153	
	National	DM54LS153	
		54LS153	
	TI	SN54LS153	
54LS154	National	DM54LS154	
54LS155	Motorola	SN54LS155	
	National	DM54LS155	
		54LS155	
	SGS-Thomson		
		T54LS155	
		54LS155	
	TI	SN54LS155A	
54LS156	Motorola	SN54LS156	
	National	DM54LS156	
		54LS156	
	SGS-Thomson		
		T54LS156	
		54LS156	
	TI	SN54LS156	
54LS157	Motorola	SN54LS157	
	National	DM54LS157	
		54LS157	
	SGS-Thomson		
		T54LS157	
		54LS157	
	TI	SN54LS157	
54LS158	Motorola	SN54LS158	
	National	DM54LS158	
		54LS158	
	SGS-Thomson		
		T54LS158	
		54LS158	
	TI	SN54LS158	
54LS160A	Motorola	SN54LS160A	
	National	54LS160A	
	TI	SN54LS160A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS161A	Motorola	SN54LS161A	
	National	DM54LS161A	
		54LS161	
	TI	SN54LS161A	
54LS162A	Motorola	SN54LS162A	
	National	54LS162A	
	TI	SN54LS162A	
54LS163A	Motorola	SN54LS163A	
	National	DM54LS163A	
		54LS163A	
	TI	SN54LS163A	
54LS164	Motorola	SN54LS164	
	National	DM54LS164	
		54LS164	
	Signetics	54LS164B	
	TI	SN54LS164	
54LS164B	Motorola	SN54LS164	
	National	DM54LS164	
		54LS164	
	Signetics	54LS164	
	TI	SN54LS164	
54LS168A	Motorola	SN54LS168	
	National	DM54LS168A	
		54LS168	
	SGS-Thomson		
		T54LS168	
54LS169A	Motorola	SN54LS169	
	National	DM54LS169A	
		54LS169	
	SGS-Thomson		
		T54LS169	
	TI	SN54LS169B	
54LS170	Motorola	SN54LS170	
	National	54LS170	
	SGS-Thomson		
		T54LS170	
		54LS170	
	TI	SN54LS170	
54LS173	Motorola	SN54LS173A	
	National	54LS173A	
	TI	SN54LS173A	
54LS174	Motorola	SN54LS174	
	National	DM54LS174	
		54LS174	
	SGS-Thomson		
		T54LS174	
		54LS174	
	TI	SN54LS174	
54LS175	Motorola	SN54LS175	
	National	DM54LS175	
		54LS175	
	SGS-Thomson		
		T54LS175	
		54LS175	
	TI	SN54LS175	
54LS181	Motorola	SN54LS181	
	National	54LS181	
	TI	SN54LS181	
54LS190	Motorola	SN54LS190	
	National	DM54LS190	
	TI	SN54LS190	
54LS191	Motorola	SN54LS191	
	National	DM54LS191	
	TI	SN54LS191	
54LS192	Motorola	SN54LS192	
	National	54LS192	
	SGS-Thomson		
		T54LS192	
		54LS192	
	TI	SN54LS192	
54LS193	Motorola	SN54LS193	
	National	DM54LS193	
		54LS193	
	SGS-Thomson		
		T54LS193	
		54LS193	
	TI	SN54LS193	
54LS194A	Motorola	SN54LS194A	
	National	54LS194A	
	SGS-Thomson		
		T54LS194A	
	TI	SN54LS194A	
54LS197	Motorola	SN54LS197	
	TI	SN54LS197	
54LS20	Motorola	SN54LS20	
	National	DM54LS20	
		54LS20	
	SGS-Thomson		
		T54LS20	
		54LS20	
	TI	SN54LS20	
54LS21	Motorola	SN54LS21	
	National	DM54LS21	
		54LS21	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS21			(Cont'd)
	TI	SN54LS21	
54LS221	Motorola	SN54LS221	
	National	DM54LS221	
	TI	SN54LS221	
54LS240	Motorola	SN54LS240	
	National	DM54LS240	
		54LS240	
	SGS-Thomson		
		T54LS240	
		54LS240	
	TI	SN54LS240	
54LS241	Motorola	SN54LS241	
	National	DM54LS241	
		54LS241	
	TI	SN54LS241	
54LS242	Motorola	SN54LS242	
	National	DM54LS242	
	TI	SN54LS242	
54LS243	Motorola	SN54LS243	
	National	DM54LS243	
	TI	SN54LS243	
54LS244	Motorola	SN54LS244	
	National	54LS244	
	TI	SN54LS244	
54LS245	Motorola	SN54LS245	
	National	DM54LS245	
		54LS245	
	TI	SN54LS245	
54LS251	Motorola	SN54LS251	
	National	DM54LS251	
	TI	SN54LS251	
54LS253	Motorola	SN54LS253	
	National	DM54LS253	
		54LS253	
	TI	SN54LS253	
54LS256	Motorola	SN54LS256	
	National	54LS256	
	SGS-Thomson		
		T54LS256	
54LS257A	Motorola	SN54LS257A	
	National	DM54LS257B	
		54LS257A	
	TI	SN54LS257B	
54LS258A	Motorola	SN54LS258A	
	National	DM54LS258B	
		54LS258A	
	SGS-Thomson		
		T54LS258A	
		54LS258	
	TI	SN54LS258B	
54LS259	Motorola	SN54LS259	
	National	DM54LS259	
		54LS259	
	SGS-Thomson		
		T54LS259	
		54LS259	
	TI	SN54LS259B	
54LS26	Motorola	SN54LS26	
	National	DM54LS26	
		54LS26	
	TI	SN54LS26	
54LS260A	Motorola	SN54LS260	
	National	54LS260	
	SGS-Thomson		
		T54LS260	
54LS261	TI	SN54LS261	
54LS266	Motorola	SN54LS266	
	National	54LS266	
	SGS-Thomson		
		T54LS266	
		54LS266	
	TI	SN54LS266	
54LS27	Motorola	SN54LS27	
	National	DM54LS27	
		54LS27	
	SGS-Thomson		
		T54LS27	
		54LS27	
	TI	SN54LS27	
54LS273	Motorola	SN54LS273	
	National	54LS273	
	SGS-Thomson		
		T54LS273	
		54LS273	
	TI	SN54LS273	
54LS279	Motorola	SN54LS279	
	National	DM54LS279	
		54LS279	
	SGS-Thomson		
		T54LS279	
		54LS279	
	TI	SN54LS279A	

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Signetics			**(Cont'd)**
54LS28	Motorola	SN54LS28	
	National	54LS28	
	SGS-Thomson		
		T54LS28	
	TI	SN54LS28	
54LS283	Motorola	SN54LS283	
	National	DM54LS283	
		54LS283	
	SGS-Thomson		
		54LS283	
	TI	SN54LS283	
54LS290	Motorola	SN54LS290	
	SGS-Thomson		
		54LS290	
	TI	SN54LS290	
54LS293	Motorola	SN54LS293	
	SGS-Thomson		
		T54LS293	
		54LS293	
	TI	SN54LS293	
54LS295B	TI	SN54LS295B	
54LS298	Motorola	SN54LS298	
	National	54LS298	
	SGS-Thomson		
		54LS298	
	TI	SN54LS298	
54LS30	Motorola	SN54LS30	
	National	DM54LS30	
		54LS30	
	SGS-Thomson		
		T54LS30	
		54LS30	
	TI	SN54LS30	
54LS32	Motorola	SN54LS32	
	National	DM54LS32	
		54LS32	
	SGS-Thomson		
		T54LS32	
		54LS32	
	TI	SN54LS32	
54LS33	Motorola	SN54LS33	
	National	54LS33	
	SGS-Thomson		
		T54LS33	
	TI	SN54LS33	
54LS352	National	DM54LS352	
		54LS352	
	SGS-Thomson		
		T54LS352	
	TI	SN54LS352	
54LS353	National	54LS353	
	SGS-Thomson		
		T54LS353	
	TI	SN54LS353	
54LS365A	Motorola	SN54LS365A	
	National	DM54LS365A	
		54LS365	
	SGS-Thomson		
		T54LS365A	
		54LS365	
	TI	SN54LS365A	
54LS366A	Motorola	SN54LS366A	
	National	DM54LS366A	
		54LS366	
	SGS-Thomson		
		T54LS366A	
		54LS366	
	TI	SN54LS366A	
54LS367A	Motorola	SN54LS367A	
	National	DM54LS367A	
		54LS367	
	SGS-Thomson		
		T54LS367A	
		54LS367	
	TI	SN54LS367A	
54LS368A	Motorola	SN54LS368A	
	National	DM54LS368A	
		54LS368	
	SGS-Thomson		
		T54LS368A	
		54LS368	
	TI	SN54LS368A	
54LS37	Motorola	SN54LS37	
	National	DM54LS37	
		54LS37	
	SGS-Thomson		
		T54LS37	
		54LS37	
	TI	SN54LS37	
54LS373	Motorola	SN54LS373	
	National	DM54LS373	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS373			(Cont'd)
	SGS-Thomson		
		T54LS373	
		54LS373	
	TI	SN54LS373	
54LS374	Motorola	SN54LS374	
	National	DM54LS374	
		54LS374	
	SGS-Thomson		
		T54LS374	
		54LS374	
	TI	SN54LS374	
54LS375	Motorola	SN54LS375	
	National	54LS375	
	TI	SN54LS375	
54LS377	Motorola	SN54LS377	
	National	54LS377	
	SGS-Thomson		
		T54LS377	
		54LS377	
	TI	SN54LS377	
54LS378	Motorola	SN54LS378	
	National	54LS378	
	SGS-Thomson		
		T54LS378	
	TI	SN54LS378	
54LS38	Motorola	SN54LS38	
	National	DM54LS38	
		54LS38	
	SGS-Thomson		
		T54LS38	
		54LS38	
	TI	SN54LS38	
54LS390	Motorola	SN54LS390	
	SGS-Thomson		
		T54LS390	
		54LS390	
	TI	SN54LS390	
54LS393	Motorola	SN54LS393	
	SGS-Thomson		
		T54LS393	
	TI	SN54LS393	
54LS395A	SGS-Thomson		
		T54LS395	
	TI	SN54LS395A	
54LS40	Motorola	SN54LS40	
	National	54LS40	
	SGS-Thomson		
		T54LS40	
		54LS40	
	TI	SN54LS40	
54LS42	Motorola	SN54LS42	
	National	DM54LS42	
		54LS42	
	SGS-Thomson		
		T54LS42	
		54LS42	
	TI	SN54LS42	
54LS490	Motorola	SN54LS490	
	National	54LS490	
	SGS-Thomson		
		T54LS490	
	TI	SN54LS490	
54LS51	Motorola	SN54LS51	
	National	54LS51	
	TI	SN54LS51	
54LS54	Motorola	SN54LS54	
	National	54LS54	
	SGS-Thomson		
		T54LS54	
		54LS54	
	TI	SN54LS54	
54LS540	Motorola	SN54LS540	
	TI	SN54LS540	
54LS541	Motorola	SN54LS541	
	TI	SN54LS541	
54LS623	Motorola	SN54LS623	
54LS640	Motorola	SN54LS640	
	TI	SN54LS640	
54LS641	Motorola	SN54LS641	
	TI	SN54LS641	
54LS642	Motorola	SN54LS642	
	TI	SN54LS642	
54LS645	Motorola	SN54LS645	
	TI	SN54LS645	
54LS670	Motorola	SN54LS670	
	National	DM54LS670	
		54LS670	
	SGS-Thomson		
		54LS670	
	TI	SN54LS670	
54LS73	National	DM54LS73A	
	TI	SN54LS73A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54LS74A	Motorola	SN54LS74A	
	National	DM54LS74	
		54LS74	
	SGS-Thomson		
		T54LS74A	
		54LS74	
	TI	SN54LS74A	
54LS75	Motorola	SN54LS75	
	National	DM54LS75	
	TI	SN54LS75	
54LS76	Motorola	SN54LS76A	
	TI	SN54LS76A	
54LS83A	Motorola	SN54LS83A	
	National	DM54LS83A	
		54LS83A	
	SGS-Thomson		
		54LS83A	
	TI	SN54LS83A	
54LS85	Motorola	SN54LS85	
	National	DM54LS85	
		54LS85	
	TI	SN54LS85	
54LS86	Motorola	SN54LS86	
	National	DM54LS86	
	TI	SN54LS86A	
54LS90	Motorola	SN54LS90	
	TI	SN54LS90	
54LS92	Motorola	SN54LS92	
	TI	SN54LS92	
54LS93	Motorola	SN54LS93	
	SGS-Thomson		
		T54LS93	
		54LS93	
	TI	SN54LS93	
54LS95B	Motorola	SN54LS95B	
	National	54LS95B	
	TI	SN54LS95B	
54LS96	TI	SN54LS96	
54S00	National	DM54S00	
	Rochester	54S00	
	TI	SN54S00	
54S02	National	DM54S02	
	Rochester	54S02	
	TI	SN54S02	
54S03	National	DM54S03	
	TI	SN54S03	
54S04	National	DM54S04	
	Rochester	54S04	
	TI	SN54S04	
54S05	TI	SN54S05	
54S08	National	DM54S08	
	Rochester	54S08	
	TI	SN54S08	
54S10	National	DM54S10	
	Rochester	54S10	
	TI	SN54S10	
54S11	National	DM54S11	
	Rochester	54S11	
	TI	SN54S11	
54S112	National	DM54S112	
	Rochester	54S112	
	TI	SN54S112	
54S113	National	DM54S113	
	Rochester	54S113	
	TI	SN54S113	
54S133	National	DM54S133	
	Rochester	54S133	
	TI	SN54S133	
54S134	Rochester	54S134	
	TI	SN54S134	
54S135	TI	SN54S135	
54S138	National	DM54S138	
	TI	SN54S138	
54S139	National	DM54S139	
	Rochester	54S139	
	TI	SN54S139	
54S140	National	DM54S140	
	TI	SN54S140	
54S151	National	DM54S151	
	Rochester	54S151	
	TI	SN54S151	
54S153	National	DM54S153	
	Rochester	54S153	
	TI	SN54S153	
54S157	National	DM54S157	
	Rochester	54S157	
	TI	SN54S157	
54S158	National	DM54S158	
	Rochester	54S158	
	TI	SN54S158	
54S168A	Rochester	54S168	
54S169A	TI	SN54S169	

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Manufacturer Device	Replacement Source	Device	IC Master Page
54S174	National	DM54S174	
	Rochester	54S174	
	TI	SN54S174	
54S175	National	DM54S175	
	Rochester	54S175	
	TI	SN54S175	
54S181	TI	SN54S181	
54S182	TI	SN54S182	
54S189	National	DM54S189	
		DM54S189A	
54S195	National	DM54S195	
	TI	SN54S195	
54S20	National	DM54S20	
	Rochester	54S20	
	TI	SN54S20	
54S240	AMD	AM54S240	
	National	DM54S240	
	TI	SN54S240	
54S241	AMD	AM54S241	
	National	DM54S241	
	TI	SN54S241	
54S244	AMD	AM54S244	
		SN54S244	
	TI	SN54S244	
54S251	National	DM54S251	
	TI	SN54S251	
54S253	National	DM54S253	
	Rochester	54S253	
54S257	National	DM54S257	
	TI	SN54S257	
54S258	National	DM54S258	
	Rochester	54S258	
	TI	SN54S258	
54S260	Rochester	54S260	
	TI	SN54S260	
54S280	National	DM54S280	
	TI	SN54S280	
54S32	National	DM54S32	
	TI	SN54S32	
54S37	TI	SN54S37	
54S373	National	DM54S373	
	TI	SN54S373	
54S374	AMD	AM54S374	
	TI	SN54S374	
54S38	TI	SN54S38	
54S40	National	DM54S40	
	Rochester	54S40	
	TI	SN54S40	
54S51	Rochester	54S51	
	TI	SN54S51	
54S534	AMD	AM54S534	
54S64	National	DM54S64	
	TI	SN54S64	
54S65	Rochester	54S65	
	TI	SN54S65	
54S74	Rochester	54S74	
	TI	SN54S74	
54S85	TI	SN54S85	
54S86	TI	SN54S86	
5534/BPA	TI	SE5534JGB	
555/BPA	TI	SE555JGB	
♦ 5710	Lansdale	ML1710	
61C65L-70	Krueger	6264LP-070	
74ACT11000	TI	74ACT11000	
74ACT11002	TI	74ACT11002	
74ACT11004	TI	74ACT11004	
74ACT11008	TI	74ACT11008	
74ACT11010	TI	74ACT11010	
74ACT11011	TI	74ACT11011	
74ACT11013	TI	74ACT11013	
74ACT11014	TI	74ACT11014	
74ACT11020	TI	74ACT11020	
74ACT11021	TI	74ACT11021	
74ACT11027	TI	74ACT11027	
74ACT11030	TI	74ACT11030	
74ACT11032	TI	74ACT11032	
74ACT11034	TI	74ACT11034	
74ACT11051	TI	74ACT11051	
74ACT11074	TI	74ACT11074	
74ACT11086	TI	74ACT11086	
74ACT11109	TI	74ACT11109	
74ACT11112	TI	74ACT11112	
74ACT11132	TI	74ACT11132	
74ACT11138	TI	74ACT11138	
74ACT11139	TI	74ACT11139	
74ACT11150	TI	74ACT11150	
74ACT11151	TI	74ACT11151	
74ACT11153	TI	74ACT11153	
74ACT11154	TI	74ACT11154	
74ACT11157	TI	74ACT11157	
74ACT11158	TI	74ACT11158	
74ACT11160	TI	74ACT11160	
74ACT11161	TI	74ACT11161	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	IC Master Device Page
74ACT11162	TI	74ACT11162
74ACT11163	TI	74ACT11163
74ACT11168	TI	74ACT11168
74ACT11169	TI	74ACT11169
74ACT11174	TI	74ACT11174
74ACT11175	TI	74ACT11175
74ACT11181	TI	74ACT11181
74ACT11190	TI	74ACT11190
74ACT11191	TI	74ACT11191
74ACT11192	TI	74ACT11192
74ACT11193	TI	74ACT11193
74ACT11194	TI	74ACT11194
74ACT11208	TI	74ACT11208
74ACT11238	TI	74ACT11238
74ACT11239	TI	74ACT11239
74ACT11240	TI	74ACT11240
74ACT11241	TI	74ACT11241
74ACT11244	TI	74ACT11244
74ACT11245	TI	74ACT11245
74ACT11250	TI	74ACT11250
74ACT11251	TI	74ACT11251
74ACT11253	TI	74ACT11253
74ACT11257	TI	74ACT11257
74ACT11258	TI	74ACT11258
74ACT11269	TI	74ACT11269
74ACT11273	TI	74ACT11273
74ACT11280	TI	74ACT11280
74ACT11286	TI	74ACT11286
74ACT11299	TI	74ACT11299
74ACT11323	TI	74ACT11323
74ACT11352	TI	74ACT11352
74ACT11353	TI	74ACT11353
74ACT11373	TI	74ACT11373
74ACT11374	TI	74ACT11374
74ACT11377	TI	74ACT11377
74ACT11378	TI	74ACT11378
74ACT11379	TI	74ACT11379
74ACT11461	TI	74ACT11461
74ACT11463	TI	74ACT11463
74ACT11469	TI	74ACT11469
74ACT11470	TI	74ACT11470
74ACT11471	TI	74ACT11471
74ACT11472	TI	74ACT11472
74ACT11473	TI	74ACT11473
74ACT11474	TI	74ACT11474
74ACT11475	TI	74ACT11475
74ACT11520	TI	74ACT11520
74ACT11521	TI	74ACT11521
74ACT11533	TI	74ACT11533
74ACT11534	TI	74ACT11534
74ACT11543	TI	74ACT11543
74ACT11544	TI	74ACT11544
74ACT11568	TI	74ACT11568
74ACT11569	TI	74ACT11569
74ACT11579	TI	74ACT11579
74ACT11590	TI	74ACT11590
74ACT11592	TI	74ACT11592
74ACT11593	TI	74ACT11593
74ACT11620	TI	74ACT11620
74ACT11678	TI	74ACT11678
74ACT11800	TI	74ACT11800
74ACT11802	TI	74ACT11802
74ACT11810	TI	74ACT11810
74ACT11818	TI	74ACT11818
74ACT11819	TI	74ACT11819
74ACT11821	TI	74ACT11821
74ACT11822	TI	74ACT11822
74ACT11823	TI	74ACT11823
74ACT11824	TI	74ACT11824
74ACT11825	TI	74ACT11825
74ACT11826	TI	74ACT11826
74ACT11827	TI	74ACT11827
74AC11000	TI	74AC11000
74AC11002	TI	74AC11002
74AC11004	TI	74AC11004
74AC11008	TI	74AC11008
74AC11010	TI	74AC11010
74AC11011	TI	74AC11011
74AC11013	TI	74AC11013
74AC11014	TI	74AC11014

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Manufacturer Device	Replacement Source	IC Master Device Page
74AC11020	TI	74AC11020
74AC11021	TI	74AC11021
74AC11027	TI	74AC11027
74AC11030	TI	74AC11030
74AC11032	TI	74AC11032
74AC11034	TI	74AC11034
74AC11051	TI	74AC11051
74AC11074	TI	74AC11074
74AC11086	TI	74AC11086
74AC11109	TI	74AC11109
74AC11112	TI	74AC11112
74AC11132	TI	74AC11132
74AC11138	TI	74AC11138
74AC11139	TI	74AC11139
74AC11150	TI	74AC11150
74AC11151	TI	74AC11151
74AC11153	TI	74AC11153
74AC11154	TI	74AC11154
74AC11157	TI	74AC11157
74AC11158	TI	74AC11158
74AC11160	TI	74AC11160
74AC11161	TI	74AC11161
74AC11162	TI	74AC11162
74AC11163	TI	74AC11163
74AC11168	TI	74AC11168
74AC11169	TI	74AC11169
74AC11174	TI	74AC11174
74AC11175	TI	74AC11175
74AC11181	TI	74AC11181
74AC11190	TI	74AC11190
74AC11191	TI	74AC11191
74AC11192	TI	74AC11192
74AC11193	TI	74AC11193
74AC11194	TI	74AC11194
74AC11208	TI	74AC11208
74AC11238	TI	74AC11238
74AC11239	TI	74AC11239
74AC11240	TI	74AC11240
74AC11241	TI	74AC11241
74AC11244	TI	74AC11244
74AC11245	TI	74AC11245
74AC11250	TI	74AC11250
74AC11251	TI	74AC11251
74AC11253	TI	74AC11253
74AC11257	TI	74AC11257
74AC11258	TI	74AC11258
74AC11273	TI	74AC11273
74AC11280	TI	74AC11280
74AC11286	TI	74AC11286
74AC11299	TI	74AC11299
74AC11323	TI	74AC11323
74AC11352	TI	74AC11352
74AC11353	TI	74AC11353
74AC11373	TI	74AC11373
74AC11374	TI	74AC11374
74AC11377	TI	74AC11377
74AC11378	TI	74AC11378
74AC11379	TI	74AC11379
74AC11461	TI	74AC11461
74AC11463	TI	74AC11463
74AC11469	TI	74AC11469
74AC11470	TI	74AC11470
74AC11471	TI	74AC11471
74AC11472	TI	74AC11472
74AC11473	TI	74AC11473
74AC11474	TI	74AC11474
74AC11475	TI	74AC11475
74AC11520	TI	74AC11520
74AC11521	TI	74AC11521
74AC11533	TI	74AC11533
74AC11534	TI	74AC11534
74AC11543	TI	74AC11543
74AC11544	TI	74AC11544
74AC11568	TI	74AC11568
74AC11569	TI	74AC11569
74AC11579	TI	74AC11579
74AC11590	TI	74AC11590
74AC11592	TI	74AC11592
74AC11593	TI	74AC11593
74AC11620	TI	74AC11620
74AC11623	TI	74AC11623
74AC11640	TI	74AC11640
74AC11643	TI	74AC11643
74AC11646	TI	74AC11646
74AC11648	TI	74AC11648
74AC11651	TI	74AC11651
74AC11652	TI	74AC11652
74AC11655	TI	74AC11655
74AC11656	TI	74AC11656
74AC11657	TI	74AC11657
74AC11677	TI	74AC11677
74AC11678	TI	74AC11678
74AC11800	TI	74AC11800

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Manufacturer Device	Replacement Source	IC Master Device Page
74AC11802	TI	74AC11802
74AC11810	TI	74AC11810
74AC11818	TI	74AC11818
74AC11819	TI	74AC11819
74AC11821	TI	74AC11821
74AC11822	TI	74AC11822
74AC11823	TI	74AC11823
74AC11824	TI	74AC11824
74AC11825	TI	74AC11825
74AC11826	TI	74AC11826
74AC11827	TI	74AC11827
74ALS00A	National	DM74ALS00
	TI	SN74ALS00A
74ALS02	Mitsubishi	M74ALS02
	National	DM74ALS02
	TI	SN74ALS02
74ALS04B	Mitsubishi	M74ALS04B
	National	DM74ALS04
	TI	SN74ALS04B
74ALS08	Mitsubishi	M74ALS08
	National	DM74ALS08
	TI	SN74ALS08
74ALS10A	Mitsubishi	M74ALS10A
	National	DM74ALS10
	TI	SN74ALS10A
74ALS109A	Mitsubishi	M74ALS109A
	National	DM74ALS109
	TI	SN74ALS109
74ALS11A	Mitsubishi	M74ALS11A
	National	DM74ALS11
	TI	SN74ALS11A
74ALS112A	Mitsubishi	M74ALS112A
	TI	SN74ALS112A
74ALS138	Mitsubishi	M74ALS138
	National	DM74ALS138
	TI	SN74ALS138
74ALS139	TI	SN74ALS139
74ALS151	Mitsubishi	M74ALS151
	National	DM74ALS151
	TI	SN74ALS151
74ALS153	Mitsubishi	M74ALS153
	National	DM74ALS153
	TI	SN74ALS153
74ALS157	Mitsubishi	M74ALS157
	TI	SN74ALS157
74ALS158	Mitsubishi	M74ALS158
	TI	SN74ALS158
74ALS161B	Mitsubishi	M74ALS161B
	National	DM74ALS161
	TI	SN74ALS161B
74ALS163B	Mitsubishi	M74ALS163B
	National	DM74ALS163
	TI	SN74ALS163B
74ALS164	TI	SN74ALS164
74ALS174	Mitsubishi	M74ALS174
	National	DM74ALS174
	TI	SN74ALS174
74ALS175	Mitsubishi	M74ALS175
	National	DM74ALS175
	TI	SN74ALS175
74ALS191	Mitsubishi	M74ALS191
	TI	SN74ALS191
74ALS193	Mitsubishi	M74ALS193
	TI	SN74ALS193
74ALS20A	Mitsubishi	M74ALS20A
	National	DM74ALS20
	TI	SN74ALS20A
74ALS240	Harris	CD74FCT240
74ALS240A	Mitsubishi	M74ALS240A
		M74ALS240A-1
	National	DM74ALS240
	Signetics	74ALS240A-1
	TI	SN74ALS240A
		SN74ALS240A-1
74ALS240A-1	Mitsubishi	M74ALS240A
		M74ALS240A-1
	National	DM74ALS240
	Signetics	74ALS240A
	TI	SN74ALS240A
		SN74ALS240A-1
74ALS241	Harris	CD74FCT241
74ALS241A	Mitsubishi	M74ALS241A
		M74ALS241A-1
	National	DM74ALS241
	Signetics	74ALS241A-1
	TI	SN74ALS241A
		SN74ALS241A-1
74ALS241A-1	Mitsubishi	M74ALS241A
		M74ALS241A-1
	National	DM74ALS241
	Signetics	74ALS241A
	TI	SN74ALS241A
		SN74ALS241A-1

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Manufacturer Device	Replacement Source	IC Master Device Page
74ALS244	Harris	CD74FCT244
74ALS244A	Mitsubishi	M74ALS244A
		M74ALS244A-1
	National	DM74ALS244
	Signetics	74ALS244A-1
	TI	SN74ALS244A
		SN74ALS244A-1
74ALS244A-1	Mitsubishi	M74ALS244A
		M74ALS244A-1
	National	DM74ALS244
	Signetics	74ALS244A
	TI	SN74ALS244A
		SN74ALS244A-1
74ALS245	Harris	CD74FCT245
74ALS245A	Mitsubishi	M74ALS245A
		M74ALS245A-1
	National	DM74ALS245
	Signetics	74ALS245A-1
	TI	SN74ALS245A
		SN74ALS245A-1
74ALS245A-1	Mitsubishi	M74ALS245A
		M74ALS245A-1
	National	DM74ALS245
	Signetics	74ALS245A
	TI	SN74ALS245A
		SN74ALS245A-1
74ALS251	Mitsubishi	M74ALS251
	National	DM74ALS251
	TI	SN74ALS251
74ALS253	Mitsubishi	M74ALS253
	National	DM74ALS253
	TI	SN74ALS253
74ALS257	Mitsubishi	M74ALS257
	National	DM74ALS257
	TI	SN74ALS257
74ALS258	Mitsubishi	M74ALS258
	National	DM74ALS258
	TI	SN74ALS258
74ALS27	National	DM74ALS27
	TI	SN74ALS27
74ALS273	Harris	CD74FCT273
	Mitsubishi	M74ALS273
	National	DM74ALS273
	TI	SN74ALS273
74ALS30A	Mitsubishi	M74ALS30A
	National	DM74ALS30
	TI	SN74ALS30A
74ALS32	National	DM74ALS32
	TI	SN74ALS32
74ALS373	Harris	CD74FCT373
	Mitsubishi	M74ALS373
	National	DM74ALS373
	TI	SN74ALS373
74ALS374	Harris	CD74FCT374
	Mitsubishi	M74ALS374
	National	DM74ALS374
	TI	SN74ALS374
		SN74ALS374A
74ALS38A	Mitsubishi	M74ALS38A
	National	DM74ALS38
	TI	SN74ALS38A
74ALS543	Signetics	74ALS543-1
74ALS543-1	Signetics	74ALS543
74ALS544	Signetics	74ALS544-1
74ALS544-1	Signetics	74ALS544
74ALS563	Harris	CD74FCT563
74ALS563A	Mitsubishi	M74ALS563A
	National	DM74ALS563
	TI	SN74ALS563
		SN74ALS563A
74ALS564	Harris	CD74FCT564
74ALS564A	Mitsubishi	M74ALS564A
	National	DM74ALS564
	TI	SN74ALS564
		SN74ALS564A
74ALS573	Harris	CD74FCT573
74ALS573B	Mitsubishi	M74ALS573B
	National	DM74ALS573
	TI	SN74ALS573
		SN74ALS573B
74ALS574	Harris	CD74FCT574
74ALS574A	Mitsubishi	M74ALS574A
	National	DM74ALS574
	TI	SN74ALS574
		SN74ALS574A
74ALS620A	Mitsubishi	M74ALS620A
		M74ALS620A-1
	Signetics	74ALS620A-1
	TI	SN74ALS620A
		SN74ALS620A-1
74ALS620A-1	Mitsubishi	M74ALS620A
		M74ALS620A-1

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Signetics			**(Cont'd)**
74ALS620A-1			(Cont'd)
	Signetics	74ALS620A	
	TI	SN74ALS620A	
		SN74ALS620A-1	
74ALS623	Harris	CD74FCT623	
74ALS623A	Mitsubishi	M74ALS623A	
		M74ALS623A-1	
	Signetics	74ALS623A-1	
	TI	SN74ALS623A	
		SN74ALS623A-1	
74ALS623A-1	Mitsubishi	M74ALS623A	
		M74ALS623A-1	
	Signetics	74ALS623A	
	TI	SN74ALS623A	
		SN74ALS623A-1	
74ALS645A	Mitsubishi	M74ALS645A	
		M74ALS645A-1	
	National	DM74ALS645	
	Signetics	74ALS645A-1	
	TI	SN74ALS645A	
		SN74ALS645A-1	
74ALS645A-1	Mitsubishi	M74ALS645A	
		M74ALS645A-1	
	National	DM74ALS645	
	Signetics	74ALS645A	
	TI	SN74ALS645A	
		SN74ALS645A-1	
74ALS646	Harris	CD74FCT646	
	Mitsubishi	M74ALS646	
	Signetics	74ALS646-1	
	TI	SN74ALS646	
		SN74ALS646-1	
74ALS646-1	Mitsubishi	M74ALS646	
	Signetics	74ALS646	
	TI	SN74ALS646	
		SN74ALS646-1	
74ALS648	Harris	CD74FCT648	
	Mitsubishi	M74ALS648	
	National	DM74ALS648	
		DM74ALS648-1	
	Signetics	74ALS648-1	
	TI	SN74ALS648	
		SN74ALS648-1	
74ALS648-1	Mitsubishi	M74ALS648	
	National	DM74ALS648	
		DM74ALS648-1	
	Signetics	74ALS648	
	TI	SN74ALS648	
		SN74ALS648-1	
74ALS651	Harris	CD74FCT651	
	Mitsubishi	M74ALS651	
	National	DM74ALS651	
	Signetics	74ALS651-1	
	TI	SN74ALS651	
		SN74ALS651-1	
74ALS651-1	Mitsubishi	M74ALS651	
	National	DM74ALS651	
	Signetics	74ALS651	
	TI	SN74ALS651	
		SN74ALS651-1	
74ALS652	Harris	CD74FCT652	
	Mitsubishi	M74ALS652	
	Signetics	74ALS652-1	
	TI	SN74ALS652	
		SN74ALS652-1	
74ALS652-1	Mitsubishi	M74ALS652	
	Signetics	74ALS652	
	TI	SN74ALS652	
		SN74ALS652-1	
74ALS74A	Mitsubishi	M74ALS74A	
	National	DM74ALS74	
	TI	SN74ALS74A	
74ALS86	National	DM74ALS86	
	TI	SN74ALS86	
74F00	Mitsubishi	M74F00	
	Motorola	MC74F00	
	National	74F00	
	TI	SN74F00	
74F02	Mitsubishi	M74F02	
	Motorola	MC74F02	
	National	74F02	
	TI	SN74F02	
74F04	Mitsubishi	M74F04	
	Motorola	MC74F04	
	National	74F04	
	TI	SN74F04	
74F08	Mitsubishi	M74F08	
	Motorola	MC74F08	
	National	74F08	
	TI	SN74F08	
74F10	Mitsubishi	M74F10	
	Motorola	MC74F10	
	National	74F10	
	TI	SN74F10	
74F109	Mitsubishi	M74F109	
	Motorola	MC74F109	
	National	74F109	
	TI	SN74F109	
74F11	Mitsubishi	M74F11	
	Motorola	MC74F11	
	National	74F11	
	TI	SN74F11	
74F112	Mitsubishi	M74F112	
	Motorola	MC74F112	
	National	74F112	
	TI	SN74F112	
74F113	National	74F113	
	TI	SN74F113	
74F114	National	74F114	
	TI	SN74F114	
74F125	Mitsubishi	M74F125	
	Motorola	MC74F125	
	National	74F125	
	TI	SN74F125	
74F126	Motorola	MC74F126	
	TI	SN74F126	
74F13	Motorola	MC74F13	
	National	74F13	
74F132	Motorola	MC74F132	
	National	74F132	
74F138	Mitsubishi	M74F138	
	Motorola	MC74F138	
	National	74F138	
	TI	SN74F138	
74F139	Mitsubishi	M74F139	
	Motorola	MC74F139	
	National	74F139	
74F14	Mitsubishi	M74F14	
	Motorola	MC74F14	
	National	74F14	
74F148	Motorola	MC74F148	
	National	74F148	
	TI	SN74F148	
74F151	Mitsubishi	M74F151A	
	Motorola	MC74F151	
	National	74F151	
	Signetics	N74F151	
		N74F151A	
	TI	SN74F151	
		SN74F151A	
74F153	Mitsubishi	M74F153	
	Motorola	MC74F153	
	National	74F153	
	TI	SN74F153	
74F157	Mitsubishi	M74F157A	
	Motorola	MC74F157	
		MC74F157A	
	National	74F157	
	TI	SN74F157A	
74F158	Mitsubishi	M74F158A	
	Motorola	MC74F158	
		MC74F158A	
	National	74F158	
	Signetics	N74F158A	
	TI	SN74F158A	
74F160A	Motorola	MC74F160A	
	National	74F160A	
	TI	SN74F160A	
74F161A	Mitsubishi	M74F161A	
	Motorola	MC74F161A	
	National	74F161A	
	TI	SN74F161A	
74F162A	Motorola	MC74F162A	
	National	74F162A	
	TI	SN74F162A	
74F163A	Mitsubishi	M74F163A	
	Motorola	MC74F163A	
	National	74F163A	
	TI	SN74F163A	
74F164	Mitsubishi	M74F164	
	Motorola	MC74F164	
	National	74F164	
		74F164A	
74F166	TI	SN74F166	
74F168	Motorola	MC74F168	
	National	74F168	
	TI	SN74F168	
74F169	Mitsubishi	M74F169	
	Motorola	MC74F169	
	National	74F169	
	TI	SN74F169	
74F174	Mitsubishi	M74F174	
	Motorola	MC74F174	
			(Continued)
74F174			(Cont'd)
	National	74F174	
	TI	SN74F174	
74F175	Mitsubishi	M74F175	
	Motorola	MC74F175	
	National	74F175	
	TI	SN74F175	
74F1764	**Signetics**	**74F1764-1**	**(3654)**
74F1764-1	**Signetics**	**74F1764**	**(3654)**
74F1765	**Signetics**	**74F1765-1**	**(3654)**
74F1765-1	**Signetics**	**74F1765**	**(3654)**
74F181	Motorola	MC74F181	
	National	74F181	
74F182	Motorola	MC74F182	
	National	74F182	
74F189A	National	74F189	
74F190	National	74F190	
	TI	SN74F190	
74F191	National	74F191	
	TI	SN74F191	
74F192	National	74F192	
	TI	SN74F192	
74F193	National	74F193	
	TI	SN74F193	
74F194	Motorola	MC74F194	
	National	74F194	
74F195	Motorola	MC74F195	
74F20	Mitsubishi	M74F20	
	Motorola	MC74F20	
	National	74F20	
	TI	SN74F20	
74F240	Harris	CD74FCT240	
	Mitsubishi	M74F240	
	Motorola	MC74F240	
	National	74F240	
	TI	SN74F240	
74F241	Mitsubishi	M74F241	
	Motorola	MC74F241	
	National	74F241	
	TI	SN74F241	
74F242	Motorola	MC74F242	
	National	74F242	
	TI	SN74F242	
74F243	Motorola	MC74F243	
	National	74F243	
	TI	SN74F243	
74F244	Harris	CD74FCT244	
	Mitsubishi	M74F244	
	Motorola	MC74F244	
	National	74F244	
	TI	SN74F244	
74F245	Harris	CD74FCT245	
	Mitsubishi	M74F245	
	Motorola	MC74F245	
	National	74F245	
	TI	SN74F245	
74F251	Mitsubishi	M74F251A	
	Motorola	MC74F251	
	National	74F251	
	Signetics	N74F251A	
	TI	SN74F251	
		SN74F251A	
74F253	Mitsubishi	M74F253	
	Motorola	MC74F253	
	National	74F253	
	TI	SN74F253	
74F256	Motorola	MC74F256	
	National	74F256	
74F257	Mitsubishi	M74F257A	
	Motorola	MC74F257	
		MC74F257A	
	National	74F257	
	Signetics	N74F257A	
	TI	SN74F257	
74F258	Mitsubishi	M74F258A	
	Motorola	MC74F258	
		MC74F258A	
	National	74F258	
	Signetics	N74F258A	
	TI	SN74F258	
74F259	Motorola	MC74F259	
	National	74F259	
74F260	TI	SN74F260	
74F269	National	74F269	
74F273	Harris	CD74FCT273	
	Motorola	MC74F273	
	National	74F273	
	TI	SN74F273	
74F280A	Mitsubishi	M74F280	
	Motorola	MC74F280	
	National	74F280	
	Signetics	74F280B	
	TI	SN74F280A	
			(Continued)
74F280B	Mitsubishi	M74F280	
	Motorola	MC74F280	
	National	74F280	
	Signetics	74F280A	
	TI	SN74F280A	
74F283	Mitsubishi	M74F283	
	Motorola	MC74F283	
	National	74F283	
	TI	SN74F283	
74F298	National	74F298	
74F299	Motorola	MC74F299	
	National	74F299	
	TI	SN74F299	
74F30	Mitsubishi	M74F30	
	National	74F30	
	TI	SN74F30	
74F32	Mitsubishi	M74F32	
	Motorola	MC74F32	
	National	74F32	
	TI	SN74F32	
74F322	National	74F322	
74F323	Motorola	MC74F323	
	National	74F323	
	TI	SN74F323	
74F350	Motorola	MC74F350	
	National	74F350	
	TI	SN74F350	
74F352	Mitsubishi	M74F352	
	Motorola	MC74F352	
	National	74F352	
	TI	SN74F352	
74F353	Mitsubishi	M74F353	
	Motorola	MC74F353	
	National	74F353	
	TI	SN74F353	
74F365	Motorola	MC74F365	
	National	74F365	
74F366	Motorola	MC74F366	
	National	74F366	
74F367	Motorola	MC74F367	
74F368	Motorola	MC74F368	
	National	74F368	
74F37	Motorola	MC74F37	
	National	74F37	
	TI	SN74F37	
74F373	Harris	CD74FCT373	
	Mitsubishi	M74F373	
	Motorola	MC74F373	
	National	74F373	
	TI	SN74F373	
74F374	Harris	CD74FCT374	
	Mitsubishi	M74F374	
	Motorola	MC74F374	
	National	74F374	
	TI	SN74F374	
74F377	Harris	CD74FCT377	
	Motorola	MC74F377	
	National	74F377	
	TI	SN74F377	
74F378	Motorola	MC74F378	
	National	74F378	
	TI	SN74F378	
74F379	Motorola	MC74F379	
	National	74F379	
	TI	SN74F379	
74F38	Motorola	MC74F38	
	National	74F38	
	TI	SN74F38	
74F381	Motorola	MC74F381	
	National	74F381	
	TI	SN74F381	
74F382	Motorola	MC74F382	
	National	74F382	
	TI	SN74F382	
♦ 74F384	National	74F384	
74F385	National	74F385	
74F395	National	74F395	
74F398	Motorola	MC74F398	
	National	74F398	
74F399	Motorola	MC74F399	
	National	74F399	
74F40	Motorola	MC74F40	
	National	74F40	
	TI	SN74F40	
74F412	National	74F412	
74F432	National	74F432	
74F51	Motorola	MC74F51	
	National	74F51	
	TI	SN74F51	
74F521	Mitsubishi	M74F521	
	Motorola	MC74F521	
	National	74F521	
	TI	SN74F521	
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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Signetics (Cont'd)

Device	Replacement Source	Device	IC Master Page
74F524	National	74F524	
74F533	Harris	CD74FCT533	
	Motorola	MC74F533	
	National	74F533	
	TI	SN74F533	
74F534	Harris	CD74FCT534	
	Motorola	MC74F534	
	National	74F534	
	TI	SN74F534	
74F537	Motorola	MC74F537	
	National	74F537	
74F538	Motorola	MC74F538	
	National	74F538	
74F539	Motorola	MC74F539	
	National	74F539	
74F540	Harris	CD74FCT540	
	National	74F540	
	TI	SN74F540	
74F541	Harris	CD74FCT541	
	National	74F541	
	TI	SN74F541	
74F543	Harris	CD74FCT543	
	Mitsubishi	M74F543	
	Motorola	MC74F543	
	National	74F543	
	TI	SN74F543	
74F544	Harris	CD74FCT544	
	National	74F544	
	TI	SN74F544	
74F545	National	74F545	
74F547	National	74F547	
74F548	National	74F548	
74F563	Harris	CD74FCT563	
	National	74F563	
	TI	SN74F563	
74F564	Harris	CD74FCT564	
	National	74F564	
	TI	SN74F564	
74F568	National	74F568	
	TI	SN74F568	
74F569	National	74F569	
	TI	SN74F569	
74F573	Harris	CD74FCT573	
	Mitsubishi	M74F573	
	National	74F573	
	TI	SN74F573	
74F579	Motorola	MC74F579	
	National	74F579	
74F583	National	74F583	
74F588	National	74F588	
74F595	National	74F595	
74F597	National	74F597	
74F620	Motorola	MC74F620	
	National	74F620	
	TI	SN74F620	
74F621	TI	SN74F621	
74F622	TI	SN74F622	
74F623	Harris	CD74FCT623	
	Motorola	MC74F623	
	National	74F623	
	TI	SN74F623	
74F64	Motorola	MC74F64	
	National	74F64	
	TI	SN74F64	
74F640	Motorola	MC74F640	
74F646	Mitsubishi	M74F646	
	National	74F646	
	Signetics	N74F646A	
		74F646A	**(3655)**
	TI	SN74F646	
74F646A	Mitsubishi	M74F646	
	National	74F646	
	Signetics	N74F646A	
		74F646	**(3655)**
	TI	SN74F646	
74F648	Harris	CD74FCT648	
	Mitsubishi	M74F648	
	National	74F648	
	Signetics	N74F648A	
		74F648A	**(3655)**
74F648A	Mitsubishi	M74F648	
	National	74F648	
	Signetics	N74F648A	
		74F648	**(3655)**
74F651	Harris	CD74FCT651	
	Signetics	N74F651A	
		74F651A	**(3656)**
74F651A	Signetics	N74F651A	
		74F651	**(3656)**

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Device	Replacement Source	Device	IC Master Page
74F652	Harris	CD74FCT652	
	Signetics	N74F652A	
		74F652A	**(3656)**
74F652A	Signetics	N74F652A	
		74F652	**(3656)**
74F657	Motorola	MC74F657A	
		MC74F657B	
	National	74F657	
	TI	SN74F657	
♦ 74F673A	National	74F673	
74F674	National	74F674	
74F676	National	74F676	
74F711	**Signetics**	**74F711-1**	**(3652)**
74F711-1	**Signetics**	**74F711**	**(3652)**
74F712	**Signetics**	**74F712-1**	**(3652)**
74F712-1	**Signetics**	**74F712**	**(3652)**
74F723	**Signetics**	**74F723-1**	**(3653)**
74F723-1	**Signetics**	**74F723**	**(3653)**
74F725	**Signetics**	**74F725-1**	**(3653)**
74F725-1	**Signetics**	**74F725**	**(3653)**
74F74	Mitsubishi	M74F74	
	Motorola	MC74F74	
	National	74F74	
	TI	SN74F74	
74F764	Signetics	74F764-1	
74F764-1	Signetics	74F764	
74F765	Signetics	74F765-1	
74F765-1	Signetics	74F765	
74F776	TI	SN74F776	
74F779	Motorola	MC74F779	
	National	74F779	
74F821	AMD	AM29821	
	Harris	CD74FCT821	
	Mitsubishi	M74F821	
	National	74F821	
74F823	AMD	AM29823	
	Harris	CD74FCT823	
	Mitsubishi	M74F823	
	National	74F823	
74F825	Mitsubishi	M74F825	
	National	74F825	
74F827	AMD	AM29827	
	Harris	CD74FCT827	
	Motorola	MC74F827	
	National	74F827	
74F828	Harris	CD74FCT828	
	Motorola	MC74F828	
	National	74F828	
74F841	AMD	AM29841	
	Harris	CD74FCT841	
	Mitsubishi	M74F841	
	National	74F841	
74F843	AMD	AM29843	
	Harris	CD74FCT843	
	Mitsubishi	M74F843	
	National	74F843	
74F845	Mitsubishi	M74F845	
	National	74F845	
74F85	Motorola	MC74F85	
74F86	Mitsubishi	M74F86	
	Motorola	MC74F86	
	National	74F86	
	TI	SN74F86	
74F861	AMD	AM29C861	
		AM29861	
74F863	AMD	AM29C863	
		AM29863	
74F899	National	74F899	
74HCT00	GoldStar	GD74HCT00	
	Harris	CD74HCT00	
	Mitsubishi	M74HCT00	
	Motorola	MC74HCT00A	
	National	MM74HCT00	
	TI	SN74HCT00	
	Toshiba	TC74HCT00A	
74HCT02	Harris	CD74HCT02	
	TI	SN74HCT02	
	Toshiba	TC74HCT02A	
74HCT03	Harris	CD74HCT03	
	National	MM74HCT03	
74HCT04	GoldStar	GD74HCT04	
	Harris	CD74HCT04	
	Motorola	MC74HCT04A	
	National	MM74HCT04	
	SGS-Thomson		
		M74HCT04	
	Toshiba	TC74HCT04A	
74HCT08	GoldStar	GD74HCT08	
	Harris	CD74HCT08	
	Motorola	MC74HCT08A	
	National	MM74HCT08	
	TI	SN74HCT08	
	Toshiba	TC74HCT08A	

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Device	Replacement Source	Device	IC Master Page
74HCT10	Harris	CD74HCT10	
74HCT107	Harris	CD74HCT107	
74HCT109	Harris	CD74HCT109	
	National	MM74HCT109	
74HCT11	Harris	CD74HCT11	
74HCT112	Harris	CD74HCT112	
	National	MM74HCT112	
74HCT123	Harris	CD74HCT123	
74HCT125	Harris	CD74HCT125	
74HCT126	Harris	CD74HCT126	
74HCT132	Harris	CD74HCT132	
74HCT137	GEC Plessey	MV74HCT137	
		74HCT137	
	Harris	CD74HCT137	
	SGS-Thomson		
		M74HCT137	
	TI	SN74HCT137	
	Toshiba	TC74HCT137	
74HCT138	GEC Plessey	MV74HCT138	
		74HCT138	
	Harris	CD74HCT138	
	Hitachi	HD74HCT138	
	Mitsubishi	M74HCT138-1	
	Motorola	MC74HCT138A	
	National	MM74HCT138	
	SGS-Thomson		
		M74HCT138	
	TI	SN74HCT138	
	Toshiba	TC74HCT138A	
74HCT139	GEC Plessey	MV74HCT139	
		74HCT139	
	Harris	CD74HCT139	
	Mitsubishi	M74HCT139-1	
	National	MM74HCT139	
	TI	SN74HCT139	
	Toshiba	TC74HCT139A	
74HCT14	Harris	CD74HCT14	
	Motorola	MC74HCT14A	
74HCT147	Harris	CD74HCT147	
	National	MM74HCT147	
74HCT151	Harris	CD74HCT151	
	National	MM74HCT151	
74HCT153	Harris	CD74HCT153	
	National	MM74HCT153	
74HCT154	Harris	CD74HCT154	
74HCT157	GoldStar	GD74HCT157	
	Harris	CD74HCT157	
	Motorola	MC74HCT157A	
	National	MM74HCT157	
	SGS-Thomson		
		M74HCT157	
	Toshiba	TC74HCT157A	
74HCT158	Harris	CD74HCT158	
	National	MM74HCT158	
	SGS-Thomson		
		M74HCT158	
	Toshiba	TC74HCT158A	
74HCT160	Harris	CD74HCT160	
74HCT161	Harris	CD74HCT161	
74HCT162	Harris	CD74HCT162	
74HCT163	Harris	CD74HCT163	
74HCT164	Harris	CD74HCT164	
	National	MM74HCT164	
	SGS-Thomson		
		M74HCT164	
	Toshiba	TC74HCT164A	
74HCT165	Harris	CD74HCT165	
74HCT166	Harris	CD74HCT166	
	National	MM74HCT166	
74HCT173	Harris	CD74HCT173	
74HCT174	GoldStar	GD74HCT174	
	Harris	CD74HCT174	
	Motorola	MC74HCT174A	
	Toshiba	TC74HCT174A	
74HCT175	Harris	CD74HCT175	
74HCT181	Harris	CD74HCT181	
74HCT182	Harris	CD74HCT182	
74HCT190	Harris	CD74HCT190	
	National	74HCT190	
74HCT191	Harris	CD74HCT191	
	National	MM74HCT191	
74HCT192	Harris	CD74HCT192	
	National	MM74HCT192	
74HCT193	Harris	CD74HCT193	
	National	MM74HCT193	
74HCT194	Harris	CD74HCT194	
74HCT195	Harris	CD74HCT195	
74HCT20	Harris	CD74HCT20	
74HCT21	Harris	CD74HCT21	
74HCT221	Harris	CD74HCT221	
74HCT237	GEC Plessey	MV74HCT237	
		74HCT237	

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Device	Replacement Source	Device	IC Master Page
74HCT237			(Cont'd)
	Harris	CD74HCT237	
	TI	SN74HCT237	
74HCT238	GEC Plessey	MV74HCT238	
		74HCT238	
	Harris	CD74HCT238	
	Hitachi	HD74HCT238	
	TI	SN74HCT238	
74HCT240	GEC Plessey	MV74HCT240	
		74HCT240	
	Harris	CD74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240	
		M74HCT240-1	
	Motorola	MC74HCT240A	
	National	MM74HCT240	
	SGS-Thomson		
		M74HCT240	
	TI	SN74HCT240	
	Toshiba	TC74HCT240A	
74HCT241	GEC Plessey	MV74HCT241	
		74HCT241	
	Harris	CD74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241	
		M74HCT241-1	
	Motorola	MC74HCT241A	
	National	MM74HCT241	
	SGS-Thomson		
		M74HCT241	
	TI	SN74HCT241	
	Toshiba	TC74HCT241A	
74HCT242	Harris	CD74HCT242	
	Hitachi	HD74HCT242	
	TI	SN74HCT242	
74HCT243	Harris	CD74HCT243	
	Hitachi	HD74HCT243	
	TI	SN74HCT243	
74HCT244	GEC Plessey	MV74HCT244	
		74HCT244	
	Harris	CD74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244	
		M74HCT244-1	
	Motorola	MC74HCT244A	
	National	MM74HCT244	
	SGS-Thomson		
		M74HCT244	
	TI	SN74HCT244	
	Toshiba	TC74HCT244A	
74HCT245	GEC Plessey	MV74HCT245	
		74HCT245	
	Harris	CD74HCT245	
	Hitachi	HD74HCT245	
	Mitsubishi	M74HCT245-1	
	Motorola	MC74HCT245A	
	National	MM74HCT245	
	SGS-Thomson		
		M74HCT245	
	TI	SN74HCT245	
	Toshiba	TC74HCT245A	
74HCT251	Harris	CD74HCT251	
	National	MM74HCT251	
74HCT257	Harris	CD74HCT257	
	National	MM74HCT257	
	SGS-Thomson		
		M74HCT257	
	Toshiba	TC74HCT257A	
74HCT258	GoldStar	GD74HCT258	
	Harris	CD74HCT258	
	National	MM74HCT258	
	SGS-Thomson		
		M74HCT258	
	Toshiba	TC74HCT258A	
74HCT259	Harris	CD74HCT259	
74HCT27	Harris	CD74HCT27	
74HCT273	GoldStar	GD74HCT273	
	Harris	CD74HCT273	
	Mitsubishi	M74HCT273-1	
	Motorola	MC74HCT273A	
	National	MM74HCT273	
	Toshiba	TC74HCT273A	
74HCT280	Harris	CD74HCT280	
74HCT283	Harris	CD74HCT283	
74HCT297	Harris	CD74HCT297	
74HCT299	Harris	CD74HCT299	
74HCT30	Harris	CD74HCT30	
74HCT32	GoldStar	GD74HCT32	
	Harris	CD74HCT32	
	Motorola	MC74HCT32A	
	National	MM74HCT32	
	TI	SN74HCT32	
	Toshiba	TC74HCT32A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
Signetics			**(Cont'd)**
74HCT354	Harris	CD74HCT354	
74HCT356	Harris	CD74HCT356	
74HCT365	Harris	CD74HCT365	
74HCT366	Harris	CD74HCT366	
74HCT367	Harris	CD74HCT367	
74HCT368	Harris	CD74HCT368	
74HCT373	GEC Plessey	MV74HCT373	
		74HCT373	
	GoldStar	GD74HCT373	
	Harris	CD74HCT373	
	Hitachi	HD74HCT373	
	Mitsubishi	M74HCT373-1	
	Motorola	MC74HCT373A	
	National	MM74HCT373	
	SGS-Thomson		
		M74HCT373	
	TI	SN74HCT373	
	Toshiba	TC74HCT373A	
74HCT374	GEC Plessey	MV74HCT374	
		74HCT374	
	GoldStar	GD74HCT374	
	Harris	CD74HCT374	
	Hitachi	HD74HCT374	
	Mitsubishi	M74HCT374-1	
	Motorola	MC74HCT374A	
	National	MM74HCT374	
	SGS-Thomson		
		M74HCT374	
	TI	SN74HCT374	
	Toshiba	TC74HCT374A	
74HCT377	Harris	CD74HCT377	
74HCT390	Harris	CD74HCT390	
74HCT393	Harris	CD74HCT393	
74HCT4002	Harris	CD74HCT4002	
74HCT40102	Harris	CD74HCT40102	
74HCT40103	Harris	CD74HCT40103	
74HCT40104	Harris	CD74HCT40104	
74HCT40105	Harris	CD74HCT40105	
74HCT4015	Harris	CD74HCT4015	
74HCT4017	Harris	CD74HCT4017	
74HCT4020	Harris	CD74HCT4020	
74HCT4024	Harris	CD74HCT4024	
74HCT4040	Harris	CD74HCT4040	
74HCT4046A	Harris	CD74HCT4046	
		CD74HCT4046A	
74HCT4051	Harris	CD74HCT4051	
74HCT4052	Harris	CD74HCT4052	
74HCT4053	Harris	CD74HCT4053	
74HCT4059	Harris	CD74HCT4059	
74HCT4060	Harris	CD74HCT4060	
74HCT4066	Harris	CD74HCT4066	
74HCT4067	Harris	CD74HCT4067	
74HCT4075	Harris	CD74HCT4075	
74HCT4094	Harris	CD74HCT4094	
74HCT42	Harris	CD74HCT42	
74HCT423	Harris	CD74HCT423	
74HCT4510	Harris	CD74HCT4510	
74HCT4511	Harris	CD74HCT4511	
74HCT4514	Harris	CD74HCT4514	
74HCT4515	Harris	CD74HCT4515	
74HCT4516	Harris	CD74HCT4516	
74HCT4518	Harris	CD74HCT4518	
74HCT4520	Harris	CD74HCT4520	
74HCT4538	Harris	CD74HCT4538	
74HCT4543	Harris	CD74HCT4543	
74HCT533	GEC Plessey	MV74HCT533	
	♦	74HCT533	
	Harris	CD74HCT533	
	Hitachi	HD74HCT533	
	Mitsubishi	M74HCT533-1	
	Motorola	MC74HCT533A	
	National	MM74HCT533	
	SGS-Thomson		
		M74HCT533	
	TI	SN74HCT533	
	Toshiba	TC74HCT533A	
74HCT534	GEC Plessey	MV74HCT534	
		74HCT534	
	Harris	CD74HCT534	
	Hitachi	HD74HCT534	
	Mitsubishi	M74HCT534-1	
	Motorola	MC74HCT534A	
	National	MM74HCT534	
	SGS-Thomson		
		M74HCT534	
	TI	SN74HCT534	
	Toshiba	TC74HCT534A	
74HCT540	GEC Plessey	MV74HCT540	
		74HCT540	
	Harris	CD74HCT540	
	Motorola	MC74HCT540	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74HCT540			(Cont'd)
	National	MM74HCT540	
	SGS-Thomson		
		M74HCT540	
	TI	SN74HCT540	
	Toshiba	TC74HCT540A	
74HCT541	GEC Plessey	MV74HCT541	
		74HCT541	
	Harris	CD74HCT541	
	National	MM74HCT541	
	SGS-Thomson		
		M74HCT541	
	TI	SN74HCT541	
	Toshiba	TC74HCT541A	
74HCT563	GEC Plessey	MV74HCT563	
		74HCT563	
	Harris	CD74HCT563	
	SGS-Thomson		
		M74HCT563	
	TI	SN74HCT563	
	Toshiba	TC74HCT563A	
74HCT564	GEC Plessey	MV74HCT564	
		74HCT564	
	Harris	CD74HCT564	
	National	MM74HCT564	
	SGS-Thomson		
		M74HCT564	
	TI	SN74HCT564	
	Toshiba	TC74HCT564A	
74HCT573	GEC Plessey	MV74HCT573	
		74HCT573	
	Harris	CD74HCT573	
	Motorola	MC74HCT573A	
	National	MM74HCT573	
	SGS-Thomson		
		M74HCT573	
	TI	SN74HCT573	
	Toshiba	TC74HCT573A	
74HCT574	GEC Plessey	MV74HCT574	
		74HCT574	
	Harris	CD74HCT574	
	Motorola	MC74HCT574A	
	National	MM74HCT574	
	SGS-Thomson		
		M74HCT574	
	TI	SN74HCT574	
	Toshiba	TC74HCT574A	
74HCT583	Harris	CD74HCT583	
74HCT597	Harris	CD74HCT597	
74HCT640	Harris	CD74HCT640	
	Mitsubishi	M74HCT640-1	
	Motorola	MC74HCT640A	
	National	MM74HCT640	
	SGS-Thomson		
		M74HCT640	
	TI	SN74HCT640	
	Toshiba	TC74HCT640A	
	Universal	US74HCT640	
74HCT643	Harris	CD74HCT643	
	Mitsubishi	M74HCT643-1	
	National	MM74HCT643	
	SGS-Thomson		
		M74HCT643	
	TI	SN74HCT643	
	Toshiba	TC74HCT643A	
74HCT646	Harris	CD74HCT646	
	Motorola	MC74HCT646	
	SGS-Thomson		
		M74HCT646	
	TI	SN74HCT646	
	Toshiba	TC74HCT646A	
74HCT648	Harris	CD74HCT648	
	SGS-Thomson		
		M74HCT648	
	TI	SN74HCT648	
	Toshiba	TC74HCT648A	
74HCT670	Harris	CD74HCT670	
74HCT688	Harris	CD74HCT688	
	National	MM74HCT688	
	SGS-Thomson		
		M74HCT688	
	Toshiba	TC74HCT688A	
74HCT7030	Harris	CD74HCT7030	
74HCT7046A	Harris	CD74HCT7046	
		CD74HCT7046A	
74HCT73	Harris	CD74HCT73	
74HCT74	Harris	CD74HCT74	
	Motorola	MC74HCT74A	
	National	MM74HCT74	
	SGS-Thomson		
		M74HCT74	
	TI	SN74HCT74	
	Toshiba	TC74HCT74A	
74HCT75	Harris	CD74HCT75	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74HCT85	Harris	CD74HCT85	
74HCT86	Harris	CD74HCT86	
	SGS-Thomson		
		M74HCT86	
	Toshiba	TC74HCT86A	
74HCT93	Harris	CD74HCT93	
74HC00	GoldStar	GD74HC00	
	Harris	CD74HC00	
	Hitachi	HD74HC00	
	Motorola	MC74HC00A	
	National	MM74HC00	
	NJR	NJU74HC00	
	SGS-Thomson		
		M74HC00	
	Sharp	LR74HC00	
	TI	SN74HC00	
	Toshiba	TC74HC00A	
74HC02	GoldStar	GD74HC02	
	Harris	CD74HC02	
	Hitachi	HD74HC02	
	Motorola	MC74HC02A	
	National	MM74HC02	
	NJR	NJU74HC02	
	SGS-Thomson		
		M74HC02	
	Sharp	LR74HC02	
	TI	SN74HC02	
	Toshiba	TC74HC02A	
74HC03	Harris	CD74HC03	
	Motorola	MC74HC03A	
	National	MM74HC03	
	NJR	NJU74HC03	
	SGS-Thomson		
		M74HC03	
	Sharp	LR74HC03	
	TI	SN74HC03	
	Toshiba	TC74HC03A	
74HC04	Harris	CD74HC04	
	Hitachi	HD74HC04	
	Motorola	MC74HC04A	
	National	MM74HC04	
	NJR	NJU74HC04	
	SGS-Thomson		
		M74HC04	
	Sharp	LR74HC04	
	TI	SN74HC04	
	Toshiba	TC74HC04A	
74HC08	Harris	CD74HC08	
	Hitachi	HD74HC08	
	Motorola	MC74HC08A	
	National	MM74HC08	
	NJR	NJU74HC08	
	SGS-Thomson		
		M74HC08	
	Sharp	LR74HC08	
	TI	SN74HC08	
	Toshiba	TC74HC08A	
74HC10	Harris	CD74HC10	
	Hitachi	HD74HC10	
	Motorola	MC74HC10	
	National	MM74HC10	
	NJR	NJU74HC10	
	SGS-Thomson		
		M74HC10	
	Sharp	LR74HC10	
	TI	SN74HC10	
	Toshiba	TC74HC10A	
74HC107	Harris	CD74HC107	
	Hitachi	HD74HC107	
	Motorola	MC74HC107	
	National	MM74HC107	
	SGS-Thomson		
		M74HC107	
	Sharp	LR74HC107	
	TI	SN74HC107	
	Toshiba	TC74HC107A	
74HC109	Harris	CD74HC109	
	Hitachi	HD74HC109	
	Motorola	MC74HC109	
	National	MM74HC109	
	NJR	NJU74HC109	
	SGS-Thomson		
		M74HC109	
	Sharp	LR74HC109	
	TI	SN74HC109	
	Toshiba	TC74HC109A	
74HC11	Harris	CD74HC11	
	Hitachi	HD74HC11	
	Motorola	MC74HC11	
	National	MM74HC11	
	NJR	NJU74HC11	
	SGS-Thomson		
		M74HC11	
	♦	LR74HC11	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74HC11			(Cont'd)
	TI	SN74HC11	
	Toshiba	TC74HC11A	
74HC112	Harris	CD74HC112	
	Hitachi	HD74HC112	
	Motorola	MC74HC112	
	National	MM74HC112	
	NJR	NJU74HC112	
	SGS-Thomson		
		M74HC112	
	Sharp	LR74HC112	
	TI	SN74HC112	
	Toshiba	TC74HC112A	
74HC123	Harris	CD74HC123	
	Hitachi	HD74HC123	
	Mitsubishi	M74HC123A	
	National	MM74HC123	
		MM74HC123A	
	NJR	NJU74HC123	
	SGS-Thomson		
		M74HC123	
		M74HC123A	
	Toshiba	TC74HC123	
		TC74HC123A	
74HC125	Harris	CD74HC125	
	Hitachi	HD74HC125	
	Motorola	MC74HC125A	
	National	MM74HC125	
	SGS-Thomson		
		M74HC125	
	TI	SN74HC125	
	Toshiba	TC74HC125A	
74HC126	Harris	CD74HC126	
	Hitachi	HD74HC126	
	Motorola	MC74HC126A	
	National	MM74HC126	
	SGS-Thomson		
		M74HC126	
	TI	SN74HC126	
	Toshiba	TC74HC126A	
74HC132	Harris	CD74HC132	
	Hitachi	HD74HC132	
	Motorola	MC74HC132A	
	National	MM74HC132	
	NJR	NJU74HC132	
	SGS-Thomson		
		M74HC132	
	Sharp	LR74HC132	
	TI	SN74HC132	
	Toshiba	TC74HC132A	
74HC137	Harris	CD74HC137	
	Hitachi	HD74HC137	
	Mitsubishi	M74HC137	
	Motorola	MC74HC137	
	National	MM74HC137	
	NJR	NJU74HC137	
	SGS-Thomson		
		M74HC137	
	Sharp	LR74HC137	
	TI	SN74HC137	
	Toshiba	TC74HC137A	
74HC138	Harris	CD74HC138	
	Hitachi	HD74HC138	
	Mitsubishi	M74HC138-1	
	Motorola	MC74HC138A	
	National	MM74HC138	
	NJR	NJU74HC138	
	SGS-Thomson		
		M74HC138	
	Sharp	LR74HC138	
	TI	SN74HC138	
	Toshiba	TC74HC138A	
74HC139	Harris	CD74HC139	
	Hitachi	HD74HC139	
	Mitsubishi	M74HC139-1	
	Motorola	MC74HC139A	
	National	MM74HC139	
	NJR	NJU74HC139	
	SGS-Thomson		
		M74HC139	
	Sharp	LR74HC139	
	TI	SN74HC139	
	Toshiba	TC74HC139A	
74HC14	Harris	CD74HC14	
	Hitachi	HD74HC14	
	Mitsubishi	M74HC14	
	Motorola	MC74HC14A	
	National	MM74HC14	
	NJR	NJU74HC14	
	SGS-Thomson		
		M74HC14	
	Sharp	LR74HC14	
	TI	SN74HC14	
	Toshiba	TC74HC14A	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Signetics (Cont'd)

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
74HC147	Harris	CD74HC147	
	Hitachi	HD74HC147	
	Motorola	MC74HC147	
	National	MM74HC147	
	SGS-Thomson	M74HC147	
	Sharp	LR74HC147	
	TI	SN74HC147	
	Toshiba	TC74HC147A	
74HC151	Harris	CD74HC151	
	Hitachi	HD74HC151	
	Motorola	MC74HC151	
	National	MM74HC151	
	NJR	NJU74HC151	
	SGS-Thomson	M74HC151	
	Sharp	LR74HC151	
	TI	SN74HC151	
	Toshiba	TC74HC151A	
74HC153	Harris	CD74HC153	
	Hitachi	HD74HC153	
	Motorola	MC74HC153	
	National	MM74HC153	
	NJR	NJU74HC153	
	SGS-Thomson	M74HC153	
	Sharp	LR74HC153	
	TI	SN74HC153	
	Toshiba	TC74HC153A	
	Universal	US74HC153	
74HC154	Harris	CD74HC154	
	Hitachi	HD74HC154	
	Motorola	MC74HC154	
	National	MM74HC154	
	SGS-Thomson	M74HC154	
	TI	SN74HC154	
	Toshiba	TC74HC154A	
	Universal	US74HC154	
74HC157	Harris	CD74HC157	
	Hitachi	HD74HC157	
	Motorola	MC74HC157A	
	National	MM74HC157	
	SGS-Thomson	M74HC157	
	Sharp	LR74HC157	
	TI	SN74HC157	
	Toshiba	TC74HC157A	
	Universal	US74HC157	
74HC158	Harris	CD74HC158	
	Hitachi	HD74HC158	
	National	MM74HC158	
	SGS-Thomson	M74HC158	
	Sharp	LR74HC158	
	TI	SN74HC158	
	Toshiba	TC74HC158A	
	Universal	US74HC158	
74HC160	Harris	CD74HC160	
	Hitachi	HD74HC160	
	Mitsubishi	M74HC160	
	Motorola	MC74HC160	
	National	MM74HC160	
	NJR	NJU74HC160	
	SGS-Thomson	M74HC160	
	Sharp	LR74HC160	
	TI	SN74HC160	
	Toshiba	TC74HC160A	
	Universal	US74HC160	
74HC161	Harris	CD74HC161	
	Hitachi	HD74HC161	
	National	MM74HC161	
	NJR	NJU74HC161	
	SGS-Thomson	M74HC161	
	Sharp	LR74HC161	
	TI	SN74HC161	
	Toshiba	TC74HC161A	
	Universal	US74HC161	
74HC162	Harris	CD74HC162	
	Hitachi	HD74HC162	
	Mitsubishi	M74HC162	
	Motorola	MC74HC162	
	National	MM74HC162	
	NJR	NJU74HC162	
	SGS-Thomson	M74HC162	
	Sharp	LR74HC162	
	TI	SN74HC162	

(Continued)

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
74HC162			(Cont'd)
	Toshiba	TC74HC162A	
	Universal	US74HC162	
74HC163	Harris	CD74HC163	
	Hitachi	HD74HC163	
	National	MM74HC163	
	NJR	NJU74HC163	
	Panasonic	MN74HC163	
	SGS-Thomson	M74HC163	
	Sharp	LR74HC163	
	TI	SN74HC163	
	Toshiba	TC74HC163A	
	Universal	US74HC163	
74HC164	Harris	CD74HC164	
	Hitachi	HD74HC164	
	Motorola	MC74HC164	
	National	MM74HC164	
	NJR	NJU74HC164	
	SGS-Thomson	M74HC164	
	Sharp	LR74HC164	
	TI	SN74HC164	
	Toshiba	TC74HC164A	
	Universal	US74HC164	
74HC165	Harris	CD74HC165	
	Hitachi	HD74HC165	
	Motorola	MC74HC165	
	National	MM74HC165	
	NJR	NJU74HC165	
	SGS-Thomson	M74HC165	
	Sharp	LR74HC165	
	TI	SN74HC165	
	Toshiba	TC74HC165A	
	Universal	US74HC165	
74HC166	Harris	CD74HC166	
	Hitachi	HD74HC166	
	National	MM74HC166	
	NJR	NJU74HC166	
	SGS-Thomson	M74HC166	
	TI	SN74HC166	
	Toshiba	TC74HC166A	
74HC173	Harris	CD74HC173	
	Hitachi	HD74HC173	
	Motorola	MC74HC173	
	National	MM74HC173	
	SGS-Thomson	M74HC173	
	Sharp	LR74HC173	
	TI	SN74HC173	
	Toshiba	TC74HC173A	
	Universal	US74HC173	
74HC174	Harris	CD74HC174	
	Hitachi	HD74HC174	
	Motorola	MC74HC174A	
	National	MM74HC174	
	NJR	NJU74HC174	
	SGS-Thomson	M74HC174	
	Sharp	LR74HC174	
	TI	SN74HC174	
	Toshiba	TC74HC174A	
	Universal	US74HC174	
74HC175	Harris	CD74HC175	
	Hitachi	HD74HC175	
	Motorola	MC74HC175	
	National	MM74HC175	
	NJR	NJU74HC175	
	SGS-Thomson	M74HC175	
	Sharp	LR74HC175	
	TI	SN74HC175	
	Toshiba	TC74HC175A	
	Universal	US74HC175	
74HC181	Harris	CD74HC181	
	National	MM74HC181	
	SGS-Thomson	M74HC181	
	Toshiba	TC74HC181A	
74HC182	Harris	CD74HC182	
	Hitachi	HD74HC182	
	National	MM74HC182	
	SGS-Thomson	M74HC182	
	Toshiba	TC74HC182A	
74HC190	Harris	CD74HC190	
	Hitachi	HD74HC190	
	Mitsubishi	74HC190	
	National	MM74HC190	
	SGS-Thomson	M74HC190	
	TI	SN74HC190	

(Continued)

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
74HC190			(Cont'd)
	Toshiba	TC74HC190A	
	Universal	US74HC190	
74HC191	GoldStar	GD74HC191	
	Harris	CD74HC191	
	Hitachi	HD74HC191	
	Mitsubishi	M74HC191	
	National	MM74HC191	
	SGS-Thomson	M74HC191	
	TI	SN74HC191	
	Toshiba	TC74HC191A	
	Universal	US74HC191	
74HC192	Harris	CD74HC192	
	Hitachi	HD74HC192	
	Mitsubishi	M74HC192	
	National	MM74HC192	
	NJR	NJU74HC192	
	SGS-Thomson	M74HC192	
	TI	SN74HC192	
	Toshiba	TC74HC192A	
	Universal	US74HC192	
74HC193	Harris	CD74HC193	
	Hitachi	HD74HC193	
	Mitsubishi	M74HC193	
	National	MM74HC193	
	SGS-Thomson	M74HC193	
	TI	SN74HC193	
	Toshiba	TC74HC193A	
	Universal	US74HC193	
74HC194	Harris	CD74HC194	
	Hitachi	HD74HC194	
	Mitsubishi	M74HC194	
	Motorola	MC74HC194	
	National	MM74HC194	
	NJR	NJU74HC194	
	SGS-Thomson	M74HC194	
	Sharp	LR74HC194	
	TI	SN74HC194	
	Toshiba	TC74HC194A	
	Universal	US74HC194	
74HC195	Harris	CD74HC195	
	Hitachi	HD74HC195	
	Mitsubishi	M74HC195	
	Motorola	MC74HC195	
	National	MM74HC195	
	NJR	NJU74HC195	
	SGS-Thomson	M74HC195	
	Sharp	LR74HC195	
	TI	SN74HC195	
	Toshiba	TC74HC195A	
	Universal	US74HC195	
74HC20	Harris	CD74HC20	
	Hitachi	HD74HC20	
	Mitsubishi	M74HC20	
	Motorola	MC74HC20	
	National	MM74HC20	
	NJR	NJU74HC20	
	SGS-Thomson	M74HC20	
	Sharp	LR74HC20	
	TI	SN74HC20	
	Toshiba	TC74HC20A	
	Universal	US74HC20	
74HC21	Harris	CD74HC21	
	Hitachi	HD74HC21	
	NJR	NJU74HC21	
	SGS-Thomson	M74HC21	
	TI	SN74HC21	
	Toshiba	TC74HC21A	
	Universal	US74HC21	
74HC221	Harris	CD74HC221	
	Hitachi	HD74HC221	
	National	MM74HC221A	
	SGS-Thomson	M74HC221	
		M74HC221A	
	Toshiba	TC74HC221	
	Universal	US74HC221	
74HC237	Harris	CD74HC237	
	Hitachi	HD74HC237	
	Mitsubishi	M74HC237	
	Motorola	MC74HC237	
	National	MM74HC237	
	NJR	NJU74HC237	
	SGS-Thomson	M74HC237	
	TI	SN74HC237	
	Toshiba	TC74HC237A	

(Continued)

Manufacturer Device	Replacement Source	Replacement Device	IC Master Page
74HC238	Harris	CD74HC238	
	Hitachi	HD74HC238	
	National	MM74HC238	
	NJR	NJU74HC238	
	SGS-Thomson	M74HC238	
	TI	SN74HC238	
	Toshiba	TC74HC238A	
74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson	M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
	TI	SN74HC240	
	Toshiba	TC74HC240A	
74HC241	Harris	CD74HC241	
	Hitachi	HD74HC241	
	Mitsubishi	M74HC241	
	Motorola	MC74HC241A	
	National	MM74HC241	
	NJR	NJU74HC241	
	SGS-Thomson	M74HC241	
		M74HC241HV	
	Sharp	LR74HC241	
	TI	SN74HC241	
	Toshiba	TC74HC241A	
74HC242	Harris	CD74HC242	
	Hitachi	HD74HC242	
	Mitsubishi	M74HC242	
	Motorola	MC74HC242	
	National	MM74HC242	
	SGS-Thomson	M74HC242	
	Sharp	LR74HC242	
	TI	SN74HC242	
	Toshiba	TC74HC242A	
74HC243	Harris	CD74HC243	
	Mitsubishi	M74HC243	
	National	MM74HC243	
	SGS-Thomson	M74HC243	
	Sharp	LR74HC243	
	TI	SN74HC243	
	Toshiba	TC74HC243A	
74HC244	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
	Motorola	MC74HC244A	
	National	MM74HC244	
	NJR	NJU74HC244	
	SGS-Thomson	M74HC244	
	Sharp	LR74HC244	
	TI	SN74HC244	
	Toshiba	TC74HC244A	
74HC245	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
	National	MM74HC245	
		MM74HC245A	
	NJR	NJU74HC245	
	SGS-Thomson	M74HC245	
	Sharp	LR74HC245	
	TI	SN74HC245	
	Toshiba	TC74HC245A	
74HC251	Harris	CD74HC251	
	Hitachi	HD74HC251	
	Mitsubishi	M74HC251	
	Motorola	MC74HC251	
	National	MM74HC251	
	SGS-Thomson	M74HC251	
	Sharp	LR74HC251	
	TI	SN74HC251	
	Toshiba	TC74HC251A	
74HC257	Harris	CD74HC257	
	Hitachi	HD74HC257	
	Mitsubishi	M74HC257	
	Motorola	MC74HC257	
	National	MM74HC257	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Signetics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
74HC257			(Cont'd)
	SGS-Thomson		
		M74HC257	
	Sharp	LR74HC257	
	TI	SN74HC257	
	Toshiba	TC74HC257A	
74HC258	Harris	CD74HC258	
	Hitachi	HD74HC258	
	National	MM74HC258	
	SGS-Thomson		
		M74HC258	
	TI	SN74HC258	
	Toshiba	TC74HC258A	
74HC259	Harris	CD74HC259	
	Hitachi	HD74HC259	
	Mitsubishi	M74HC259	
	Motorola	MC74HC259	
	National	MM74HC259	
	NJR	NJU74HC259	
	SGS-Thomson		
		M74HC259	
	Sharp	LR74HC259	
	TI	SN74HC259	
	Toshiba	TC74HC259A	
74HC27	Harris	CD74HC27	
	Hitachi	HD74HC27	
	Mitsubishi	M74HC27	
	Motorola	MC74HC27	
	National	MM74HC27	
	NJR	NJU74HC27	
	SGS-Thomson		
		M74HC27	
	Sharp	LR74HC27	
	TI	SN74HC27	
	Toshiba	TC74HC27A	
74HC273	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson		
		M74HC273	
	Sharp	LR74HC273	
	TI	SN74HC273	
	Toshiba	TC74HC273A	
74HC280	Harris	CD74HC280	
	Hitachi	HD74HC280	
	Mitsubishi	M74HC280	
	Motorola	MC74HC280	
	National	MM74HC280	
	SGS-Thomson		
		M74HC280	
	Sharp	LR74HC280	
	TI	SN74HC280	
	Toshiba	TC74HC280A	
74HC283	Harris	CD74HC283	
	Mitsubishi	M74HC283	
	National	MM74HC283	
	SGS-Thomson		
		M74HC283	
	TI	SN74HC283	
	Toshiba	TC74HC283A	
74HC297	Harris	CD74HC297	
74HC299	Harris	CD74HC299	
	Motorola	MC74HC299	
	National	MM74HC299	
	SGS-Thomson		
		M74HC299	
	Sharp	LR74HC299	
	TI	SN74HC299	
	Toshiba	TC74HC299A	
74HC30	Harris	CD74HC30	
	Hitachi	HD74HC30	
	Mitsubishi	M74HC30	
	Motorola	MC74HC30	
	National	MM74HC30	
	SGS-Thomson		
		M74HC30	
	Sharp	LR74HC30	
	TI	SN74HC30	
	Toshiba	TC74HC30A	
74HC32	Harris	CD74HC32	
	Hitachi	HD74HC32	
	Mitsubishi	M74HC32	
	Motorola	MC74HC32A	
	National	MM74HC32	
	NJR	NJU74HC32	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74HC32			(Cont'd)
	SGS-Thomson		
		M74HC32	
	Sharp	LR74HC32	
	TI	SN74HC32	
	Toshiba	TC74HC32A	
74HC354	Harris	CD74HC354	
	Hitachi	HD74HC354	
	Motorola	MC74HC354	
	National	MM74HC354	
	SGS-Thomson		
		M74HC354	
	Sharp	LR74HC354	
	TI	SN74HC354	
	Toshiba	TC74HC354A	
74HC356	Harris	CD74HC356	
	Hitachi	HD74HC356	
	National	MM74HC356	
	SGS-Thomson		
		M74HC356	
	Sharp	LR74HC356	
	TI	SN74HC356	
	Toshiba	TC74HC356A	
74HC365	GoldStar	GD74HC365	
	Harris	CD74HC365	
	Hitachi	HD74HC365	
	Motorola	MC74HC365	
	National	MM74HC365	
	SGS-Thomson		
		M74HC365	
	Sharp	LR74HC365	
	TI	SN74HC365	
	Toshiba	TC74HC365A	
74HC366	GoldStar	GD74HC366	
	Harris	CD74HC366	
	Hitachi	HD74HC366	
	Motorola	MC74HC366	
	National	MM74HC366	
	SGS-Thomson		
		M74HC366	
	Sharp	LR74HC366	
	TI	SN74HC366	
	Toshiba	TC74HC366A	
74HC367	GoldStar	GD74HC367	
	Harris	CD74HC367	
	Hitachi	HD74HC367	
	Mitsubishi	M74HC367	
	Motorola	MC74HC367	
	National	MM74HC367	
	SGS-Thomson		
		M74HC367	
	TI	SN74HC367	
	Toshiba	TC74HC367A	
74HC368	GoldStar	GD74HC368	
	Harris	CD74HC368	
	Hitachi	HD74HC368	
	Motorola	MC74HC368	
	National	MM74HC368	
	SGS-Thomson		
		M74HC368	
	Sharp	LR74HC368	
	TI	SN74HC368	
	Toshiba	TC74HC368A	
74HC373	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	National	MM74HC373	
	NJR	NJU74HC373	
	SGS-Thomson		
		M74HC373	
	Sharp	LR74HC373	
	TI	SN74HC373	
	Toshiba	TC74HC373A	
74HC374	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	National	MM74HC374	
	NJR	NJU74HC374	
	SGS-Thomson		
		M74HC374	
	Sharp	LR74HC374	
	TI	SN74HC374	
	Toshiba	TC74HC374A	
74HC377	Harris	CD74HC377	
	Hitachi	HD74HC377	
	NJR	NJU74HC377	
	SGS-Thomson		
		M74HC377	
	TI	SN74HC377	
	Toshiba	TC74HC377A	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74HC390	Harris	CD74HC390	
	Hitachi	HD74HC390	
	Motorola	MC74HC390	
	National	MM74HC390	
	NJR	NJU74HC390	
	SGS-Thomson		
		M74HC390	
	Sharp	LR74HC390	
	TI	SN74HC390	
	Toshiba	TC74HC390A	
74HC393	Harris	CD74HC393	
	Hitachi	HD74HC393	
	Motorola	MC74HC393	
	National	MM74HC393	
	NJR	NJU74HC393	
	SGS-Thomson		
		M74HC393	
	Sharp	LR74HC393	
	TI	SN74HC393	
	Toshiba	TC74HC393A	
74HC4002	Harris	CD74HC4002	
	Mitsubishi	M74HC4002	
	Motorola	MC74HC4002	
	National	MM74HC4002	
	NJR	NJU74HC4002	
	SGS-Thomson		
		M74HC4002	
	Sharp	LR74HC4002	
	TI	SN74HC4002	
	Toshiba	TC74HC4002A	
74HC40102	Harris	CD74HC40102	
	SGS-Thomson		
		M74HC40102	
	Toshiba	TC74HC40102A	
74HC40103	Harris	CD74HC40103	
	SGS-Thomson		
		M74HC40103	
	Toshiba	TC74HC40103A	
74HC40104	Harris	CD74HC40104	
74HC40105	Harris	CD74HC40105	
	Toshiba	TC74HC40105A	
74HC4015	Harris	CD74HC4015	
74HC4016	Harris	CD74HC4016	
	Motorola	MC74HC4016	
	National	MM74HC4016	
	Toshiba	TC74HC4016A	
74HC4017	Harris	CD74HC4017	
	Hitachi	HD74HC4017	
	Motorola	MC74HC4017	
	National	MM74HC4017	
	SGS-Thomson		
		M74HC4017	
	TI	SN74HC4017	
	Toshiba	TC74HC4017A	
74HC4020	Harris	CD74HC4020	
	Hitachi	HD74HC4020	
	Mitsubishi	M74HC4020	
	National	MM74HC4020	
	NJR	NJU74HC4020	
	SGS-Thomson		
		M74HC4020	
	TI	SN74HC4020	
	Toshiba	TC74HC4020A	
74HC4024	Harris	CD74HC4024	
	Hitachi	HD74HC4024	
	Mitsubishi	M74HC4024	
	Motorola	MC74HC4024	
	National	MM74HC4024	
	SGS-Thomson		
		M74HC4024	
	Sharp	LR74HC4024	
	TI	SN74HC4024	
	Toshiba	TC74HC4024A	
74HC4040	Harris	CD74HC4040	
	Hitachi	HD74HC4040	
	Mitsubishi	M74HC4040	
	National	MM74HC4040	
	NJR	NJU74HC4040	
	SGS-Thomson		
		M74HC4040	
	TI	SN74HC4040	
	Toshiba	TC74HC4040A	
74HC4046A	Harris	CD74HC4046	
		CD74HC4046A	
	Motorola	MC74HC4046A	
	National	MM74HC4046	
74HC4049	Harris	CD74HC4049	
	Mitsubishi	M74HC4049B	
	Motorola	MC74HC4049	
	National	MM74HC4049	
	SGS-Thomson		
		M74HC4049	
	Toshiba	TC74HC4049A	

Manufacturer Device	Replacement Source	Device	IC Master Page
74HC4050	Harris	CD74HC4050	
	Mitsubishi	M74HC4050B	
	Motorola	MC74HC4050	
	National	MM74HC4050	
	SGS-Thomson		
		M74HC4050	
	Toshiba	TC74HC4050A	
74HC4051	Harris	CD74HC4051	
	Mitsubishi	M74HC4051	
	Motorola	MC74HC4051	
	National	MM74HC4051	
	SGS-Thomson		
		M74HC4051	
	Toshiba	TC74HC4051A	
74HC4052	Harris	CD74HC4052	
	Mitsubishi	M74HC4052	
	Motorola	MC74HC4052	
	National	MM74HC4052	
	Panasonic	MN74HC4052	
	SGS-Thomson		
		M74HC4052	
	Toshiba	TC74HC4052A	
74HC4053	Harris	CD74HC4053	
	Mitsubishi	M74HC4053	
	Motorola	MC74HC4053	
	National	MM74HC4053	
	SGS-Thomson		
		M74HC4053	
	Toshiba	TC74HC4053A	
74HC4059	Harris	CD74HC4059	
74HC4060	Harris	CD74HC4060	
	Hitachi	HD74HC4060	
	National	MM74HC4060	
	SGS-Thomson		
		M74HC4060	
	TI	SN74HC4060	
	Toshiba	TC74HC4060A	
74HC4066	Harris	CD74HC4066	
	Motorola	MC74HC4066	
	National	MM74HC4066	
	NJR	NJU74HC4066	
	SGS-Thomson		
		M74HC4066	
	TI	SN74HC4066	
	Toshiba	TC74HC4066A	
74HC4067	Harris	CD74HC4067	
74HC4075	Harris	CD74HC4075	
	Mitsubishi	M74HC4075	
	Motorola	MC74HC4075	
	National	MM74HC4075	
	SGS-Thomson		
		M74HC4075	
	Sharp	LR74HC4075	
	TI	SN74HC4075	
	Toshiba	TC74HC4075A	
74HC4094	Harris	CD74HC4094	
	SGS-Thomson		
		M74HC4094	
	Toshiba	TC74HC4094A	
74HC42	Harris	CD74HC42	
	Hitachi	HD74HC42	
	Mitsubishi	M74HC42	
	Motorola	MC74HC42	
	National	MM74HC42	
	SGS-Thomson		
		M74HC42	
	Sharp	LR74HC42	
	TI	SN74HC42	
	Toshiba	TC74HC42A	
74HC423	Harris	CD74HC423	
	Hitachi	HD74HC423	
	National	MM74HC423A	
	SGS-Thomson		
		M74HC423	
		M74HC423A	
	Toshiba	TC74HC423	
		TC74HC423A	
74HC4316	Harris	CD74HC4316	
	Motorola	MC74HC4316	
	National	MM74HC4316	
	SGS-Thomson		
		M74HC4316	
	Toshiba	TC74HC4316A	
74HC4351	Harris	CD74HC4351	
	Motorola	MC74HC4351	
	SGS-Thomson		
		M74HC4351	
	Toshiba	TC74HC4351A	
74HC4352	Harris	CD74HC4352	
	Motorola	MC74HC4352	
	SGS-Thomson		
		M74HC4352	
	Toshiba	TC74HC4352A	
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Signetics			**(Cont'd)**
74HC4353	Harris	CD74HC4353	
	Motorola	MC74HC4353	
	SGS-Thomson	M74HC4353	
	Toshiba	TC74HC4353A	
74HC4510	Harris	CD74HC4510	
74HC4511	Harris	CD74HC4511	
	Hitachi	HD74HC4511	
	Motorola	MC74HC4511	
	National	MM74HC4511	
	SGS-Thomson	M74HC4511	
	Sharp	LR74HC4511	
	Toshiba	TC74HC4511A	
74HC4514	Harris	CD74HC4514	
	Hitachi	HD74HC4514	
	Motorola	MC74HC4514	
	National	MM74HC4514	
	SGS-Thomson	M74HC4514	
	Sharp	LR74HC4514	
	TI	SN74HC4514	
	Toshiba	TC74HC4514A	
74HC4515	Harris	CD74HC4515	
	Hitachi	HD74HC4515	
	TI	SN74HC4515	
	Toshiba	TC74HC4515A	
74HC4516	Harris	CD74HC4516	
74HC4518	Harris	CD74HC4518	
	Hitachi	HD74HC4518	
	National	MM74HC4518	
	SGS-Thomson	M74HC4518	
	Toshiba	TC74HC4518A	
74HC4520	Harris	CD74HC4520	
	Hitachi	HD74HC4520	
	National	MM74HC4520	
	Toshiba	TC74HC4520A	
74HC4538	Harris	CD74HC4538	
	Hitachi	HD74HC4538	
	Motorola	MC74HC4538A	
	National	MM74HC4538	
	SGS-Thomson	M74HC4538	
	Toshiba	TC74HC4538A	
74HC4543	Harris	CD74HC4543	
	Hitachi	HD74HC4543	
	National	MM74HC4543	
	SGS-Thomson	M74HC4543	
	Sharp	LR74HC4543	
	Toshiba	TC74HC4543A	
74HC533	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
	Motorola	MC74HC533A	
	National	MM74HC533	
	NJR	NJU74HC533	
	SGS-Thomson	M74HC533	
	Sharp	LR74HC533	
	TI	SN74HC533	
	Toshiba	TC74HC533A	
74HC534	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
	Motorola	MC74HC534A	
	National	MM74HC534	
	NJR	NJU74HC534	
	SGS-Thomson	M74HC534	
	Sharp	LR74HC534	
	TI	SN74HC534	
	Toshiba	TC74HC534A	
74HC540	Harris	CD74HC540	
	Hitachi	HD74HC540	
	Mitsubishi	M74HC540	
	Motorola	MC74HC540	
	National	MM74HC540	
	SGS-Thomson	M74HC540	
	TI	SN74HC540	
	Toshiba	TC74HC540A	
74HC541	Harris	CD74HC541	
	Hitachi	HD74HC541	
	Mitsubishi	M74HC541	
	Motorola	MC74HC541	
	National	MM74HC541	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74HC541			(Cont'd)
	SGS-Thomson	M74HC541	
	Sharp	LR74HC541	
	TI	SN74HC541	
	Toshiba	TC74HC541A	
74HC563	Harris	CD74HC563	
	Hitachi	HD74HC563	
	Motorola	MC74HC563	
	National	MM74HC563	
	SGS-Thomson	M74HC563	
	Sharp	LR74HC563	
	TI	SN74HC563	
	Toshiba	TC74HC563A	
74HC564	Harris	CD74HC564	
	Hitachi	HD74HC564	
	Motorola	MC74HC564	
	National	MM74HC564	
	SGS-Thomson	M74HC564	
	Sharp	LR74HC564	
	TI	SN74HC564	
	Toshiba	TC74HC564A	
74HC573	Harris	CD74HC573	
	Hitachi	HD74HC573	
	Motorola	MC74HC573A	
	National	MM74HC573	
	SGS-Thomson	M74HC573	
	TI	SN74HC573	
	Toshiba	TC74HC573A	
74HC574	Harris	CD74HC574	
	Hitachi	HD74HC574	
	Motorola	MC74HC574A	
	National	MM74HC574	
	SGS-Thomson	M74HC574	
	Sharp	LR74HC574	
	TI	SN74HC574	
	Toshiba	TC74HC574A	
74HC583	Harris	CD74HC583	
74HC597	Harris	CD74HC597	
	Hitachi	HD74HC597	
	Motorola	MC74HC597	
	National	MM74HC597	
	SGS-Thomson	M74HC597	
	Sharp	LR74HC597	
	Toshiba	TC74HC597A	
74HC640	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
	Motorola	MC74HC640A	
	National	MM74HC640	
	NJR	NJU74HC640	
	SGS-Thomson	M74HC640	
	Sharp	LR74HC640	
	TI	SN74HC640	
	Toshiba	TC74HC640A	
74HC643	Harris	CD74HC643	
	Hitachi	HD74HC643	
	Mitsubishi	M74HC643	
		M74HC643-1	
	National	MM74HC643	
	NJR	NJU74HC643	
	SGS-Thomson	M74HC643	
	Sharp	LR74HC643	
	TI	SN74HC643	
	Toshiba	TC74HC643A	
74HC646	Harris	CD74HC646	
	Motorola	MC74HC646	
	National	MM74HC646	
	SGS-Thomson	M74HC646	
	TI	SN74HC646	
	Toshiba	TC74HC646A	
74HC648	Harris	CD74HC648	
	Motorola	MC74HC648	
	National	MM74HC648	
	SGS-Thomson	M74HC648	
	TI	SN74HC648	
	Toshiba	TC74HC648A	
74HC670	GoldStar	GD74HC670	
	Harris	CD74HC670	
	Hitachi	HD74HC670	
	Motorola	MC74HC670	
	SGS-Thomson	M74HC670	
	Toshiba	TC74HC670A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74HC688	Harris	CD74HC688	
	Hitachi	HD74HC688	
	Motorola	MC74HC688	
	National	MM74HC688	
	SGS-Thomson	M74HC688	
	Sharp	LR74HC688	
	TI	SN74HC688	
	Toshiba	TC74HC688A	
74HC7030	Harris	CD74HC7030	
74HC7046A	Harris	CD74HC7046	
		CD74HC7046A	
74HC7266	Harris	CD74HC7266	
	Motorola	MC74HC7266	
	National	MM74HC7266	
	SGS-Thomson	M74HC7266	
	TI	SN74HC7266	
	Toshiba	TC74HC7266A	
74HC73	Harris	CD74HC73	
	Hitachi	HD74HC73	
	Mitsubishi	M74HC73	
	Motorola	MC74HC73	
	National	MM74HC73	
	SGS-Thomson	M74HC73	
	TI	SN74HC73	
	Toshiba	TC74HC73A	
74HC74	GoldStar	GD74HC74	
	Harris	CD74HC74	
	Hitachi	HD74HC74	
	Mitsubishi	M74HC74	
	Motorola	MC74HC74A	
	National	MM74HC74	
	NJR	NJU74HC74	
	SGS-Thomson	M74HC74	
	Sharp	LR74HC74	
	TI	SN74HC74	
	Toshiba	TC74HC74A	
74HC75	Harris	CD74HC75	
	Hitachi	HD74HC75	
	Mitsubishi	M74HC75	
	Motorola	MC74HC75	
	National	MM74HC75	
	SGS-Thomson	M74HC75	
	Sharp	LR74HC75	
	TI	SN74HC75	
	Toshiba	TC74HC75A	
74HC85	Harris	CD74HC85	
	Hitachi	HD74HC85	
	Mitsubishi	M74HC85	
	Motorola	MC74HC85	
	National	MM74HC85	
	NJR	NJU74HC85	
	SGS-Thomson	M74HC85	
	Sharp	LR74HC85	
	TI	SN74HC85	
	Toshiba	TC74HC85A	
74HC86	Harris	CD74HC86	
	Hitachi	HD74HC86	
	Mitsubishi	M74HC86	
	Motorola	MC74HC86	
	National	MM74HC86	
	NJR	NJU74HC86	
	SGS-Thomson	M74HC86	
	Sharp	LR74HC86	
	TI	SN74HC86	
	Toshiba	TC74HC86A	
74HC93	Harris	CD74HC93	
	Hitachi	HD74HC93	
♦ 74H00	Rochester	74H00	
♦ 74H01	Rochester	74H01	
♦ 74H05	Rochester	74H05	
♦ 74H08	Rochester	74H08	
♦ 74H101	Rochester	74H101	
♦ 74H102	Rochester	74H102	
♦ 74H103	Rochester	74H103	
♦ 74H106	Rochester	74H106	
♦ 74H108	Rochester	74H108	
♦ 74H11	Rochester	74H11	
♦ 74H20	Rochester	74H20	
♦ 74H21	Rochester	74H21	
♦ 74H22	Rochester	74H22	
♦ 74H30	Rochester	74H30	
♦ 74H40	Rochester	74H40	
♦ 74H50	Rochester	74H50	
♦ 74H51	Rochester	74H51	
♦ 74H52	Rochester	74H52	
♦ 74H53	Rochester	74H53	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 74H54	Rochester	74H54	
♦ 74H55	Rochester	74H55	
♦ 74H60	Rochester	74H60	
♦ 74H61	Rochester	74H61	
♦ 74H62	Rochester	74H62	
♦ 74H71	Rochester	74H71	
♦ 74H72	Rochester	74H72	
♦ 74H73	Rochester	74H73	
♦ 74H74	Rochester	74H74	
♦ 74H76	Rochester	74H76	
♦ 74H78	Rochester	74H78	
74LS00	GoldStar	GD74LS00	
	Hitachi	HD74LS00	
	Motorola	SN74LS00	
	National	DM74LS00	
		74LS00	
	Rochester	74LS00	
	SGS-Thomson	T74LS00	
		74LS00	
	TI	SN74LS00	
74LS01	Hitachi	HD74LS01	
	Motorola	SN74LS01	
	SGS-Thomson	T74LS01	
		74LS01	
	TI	SN74LS01	
74LS02	GoldStar	GD74LS02	
	Hitachi	HD74LS02	
	Motorola	SN74LS02	
	National	DM74LS02	
		74LS02	
	SGS-Thomson	T74LS02	
		74LS02	
	TI	SN74LS02	
74LS04	GoldStar	GD74LS04	
	Hitachi	HD74LS04	
	Motorola	SN74LS04	
	National	DM74LS04	
		74LS04	
	Rochester	74LS04	
	SGS-Thomson	T74LS04	
		74LS04	
	TI	SN74LS04	
74LS05	GoldStar	GD74LS05	
	Hitachi	HD74LS05	
	Motorola	SN74LS05	
	National	DM74LS05	
		74LS05	
	Rochester	74LS05	
	SGS-Thomson	T74LS05A	
		74LS05	
	TI	SN74LS05	
74LS08	GoldStar	GD74LS08	
	Hitachi	HD74LS08	
	Motorola	SN74LS08	
	National	DM74LS08	
		74LS08	
	Rochester	74LS08	
	SGS-Thomson	T74LS08	
		74LS08	
	TI	SN74LS08	
74LS09	Hitachi	HD74LS09	
	Motorola	SN74LS09	
	National	DM74LS09	
		74LS09	
	Rochester	74LS09	
	SGS-Thomson	T74LS09	
		74LS09	
	TI	SN74LS09	
74LS10	GoldStar	GD74LS10	
	Hitachi	HD74LS10	
	Motorola	SN74LS10	
	National	DM74LS10	
		74LS10	
	Rochester	74LS10	
	SGS-Thomson	T74LS10	
		74LS10	
	TI	SN74LS10	
74LS107	Hitachi	HD74LS107A	
	Motorola	SN74LS107A	
	National	DM74LS107A	
	TI	SN74LS107A	
74LS109	Hitachi	HD74LS109A	
	Motorola	SN74LS109A	
	National	DM74LS109	
		74LS109	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Signetics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS109			(Cont'd)
	SGS-Thomson		
		T74LS109A	
	TI	SN74LS109A	
74LS11	GoldStar	GD74LS11	
	Hitachi	HD74LS11	
	Motorola	SN74LS11	
	National	DM74LS11	
		74LS11	
	Rochester	74LS11	
	SGS-Thomson		
		T74LS11	
		74LS11	
	TI	SN74LS11	
74LS112	Hitachi	HD74LS112	
	Motorola	SN74LS112A	
	National	DM74LS112	
		74LS112	
	SGS-Thomson		
		T74LS112A	
	TI	SN74LS112A	
74LS113	Hitachi	HD74LS113	
	Motorola	SN74LS113A	
	Rochester	74LS113	
	SGS-Thomson		
		T74LS113A	
	TI	SN74LS113A	
74LS125A	GoldStar	GD74LS125A	
	Hitachi	HD74LS125A	
	Motorola	SN74LS125A	
	National	DM74LS125A	
		74LS125	
	SGS-Thomson		
		T74LS125A	
		74LS125A	
	TI	SN74LS125A	
74LS126A	Hitachi	HD74LS126A	
	Motorola	SN74LS126A	
	National	DM74LS126	
		74LS126	
	SGS-Thomson		
		T74LS126A	
		74LS126	
	TI	SN74LS126A	
74LS13	Hitachi	HD74LS13	
	Motorola	SN74LS13	
	National	74LS13	
	SGS-Thomson		
		T74LS13	
		74LS13	
	TI	SN74LS13	
74LS132	Hitachi	HD74LS132	
	Motorola	SN74LS132	
	National	DM74LS132	
		74LS132	
	SGS-Thomson		
		T74LS132	
		74LS132	
	TI	SN74LS132	
74LS136	Hitachi	HD74LS136	
	Motorola	SN74LS136	
	National	74LS136	
	SGS-Thomson		
		T74LS136	
		74LS136	
	TI	SN74LS136	
74LS138	GoldStar	GD74LS138	
	Hitachi	HD74LS138	
	Motorola	SN74LS138	
	National	DM74LS138	
		74LS138	
	SGS-Thomson		
		T74LS138	
		74LS138	
	TI	SN74LS138	
74LS139	GoldStar	GD74LS139	
	Hitachi	HD74LS139	
	Motorola	SN74LS139	
	National	DM74LS139	
		74LS139	
	SGS-Thomson		
		T74LS139	
		74LS139	
	TI	SN74LS139A	
74LS14	GoldStar	GD74LS14	
	Hitachi	HD74LS14	
	Motorola	SN74LS14	
	National	DM74LS14	
		74LS14	

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Manufacturer Device	Replacement Source	Device	IC Master Page
74LS14			(Cont'd)
	SGS-Thomson		
		T74LS14	
		74LS14	
	TI	SN74LS14	
74LS151	Hitachi	HD74LS151A	
	Motorola	SN74LS151	
	National	DM74LS151	
		74LS151	
	SGS-Thomson		
		T74LS151	
		74LS151	
	TI	SN74LS151	
74LS153	GoldStar	GD74LS153	
	Hitachi	HD74LS153	
	Motorola	SN74LS153	
	National	DM74LS153	
		74LS153	
	SGS-Thomson		
		T74LS153	
		74LS153	
	TI	SN74LS153	
74LS154	GoldStar	GD74LS154	
	Hitachi	HD74LS154	
	National	DM74LS154	
74LS155	Hitachi	HD74LS155	
	Motorola	SN74LS155	
	National	DM74LS155	
		74LS155	
	SGS-Thomson		
		T74LS155	
		74LS155	
	TI	SN74LS155A	
74LS156	Hitachi	HD74LS156	
	Motorola	SN74LS156	
	National	DM74LS156	
		74LS156	
	SGS-Thomson		
		T74LS156	
		74LS156	
	TI	SN74LS156	
74LS157	GoldStar	GD74LS157	
	Hitachi	HD74LS157	
	Motorola	SN74LS157	
	National	DM74LS157	
		74LS157	
	SGS-Thomson		
		T74LS157	
		74LS157	
	TI	SN74LS157	
74LS158	GoldStar	GD74LS158	
	Hitachi	HD74LS158	
	Motorola	SN74LS158	
	National	DM74LS158	
		74LS158	
	Rochester	74LS158	
	SGS-Thomson		
		T74LS158	
		74LS158	
	TI	SN74LS158	
74LS160A	Hitachi	HD74LS160A	
	Motorola	SN74LS160A	
	National	74LS160	
	TI	SN74LS160A	
74LS161A	GoldStar	GD74LS161A	
	Hitachi	HD74LS161A	
	Motorola	SN74LS161A	
	National	DM74LS161A	
		74LS161	
	TI	SN74LS161A	
74LS162A	Hitachi	HD74LS162A	
	Motorola	SN74LS162A	
	National	74LS162	
	TI	SN74LS162A	
74LS163A	GoldStar	GD74LS163A	
	Hitachi	HD74LS163A	
	Motorola	SN74LS163A	
	National	DM74LS163A	
		74LS163	
	TI	SN74LS163A	
74LS164	GoldStar	GD74LS164	
	Hitachi	HD74LS164	
	Motorola	SN74LS164	
	National	DM74LS164	
		74LS164	
	SGS-Thomson		
		T74LS164	
		74LS164	
	TI	SN74LS164	
♦ 74LS168A	Motorola	SN74LS168	
	SGS-Thomson		
		T74LS168	
		74LS168	

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS169A	Motorola	SN74LS169	
	National	DM74LS169A	
		74LS169	
	Rochester	74LS169	
	SGS-Thomson		
		T74LS169	
		74LS169	
	TI	SN74LS169B	
♦ 74LS170	Hitachi	HD74LS170	
	Motorola	SN74LS170	
	National	74LS170	
	SGS-Thomson		
		T74LS170	
		74LS170	
♦ 74LS170	TI	SN74LS170	
74LS173	Motorola	SN74LS173A	
	National	74LS173A	
	TI	SN74LS173A	
74LS174	GoldStar	GD74LS174	
	Hitachi	HD74LS174	
	Motorola	SN74LS174	
	National	DM74LS174	
		74LS174	
	SGS-Thomson		
		T74LS174	
		74LS174	
	TI	SN74LS174	
74LS175	GoldStar	GD74LS175	
	Hitachi	HD74LS175	
	Motorola	SN74LS175	
	National	DM74LS175	
		74LS175	
	SGS-Thomson		
		T74LS175	
		74LS175	
	TI	SN74LS175	
♦ 74LS181	Hitachi	HD74LS181	
	Motorola	SN74LS181	
	National	74LS181	
	SGS-Thomson		
		T74LS181	
		74LS181	
♦ 74LS181	TI	SN74LS181	
74LS191	Hitachi	HD74LS191	
	Motorola	SN74LS191	
	National	DM74LS191	
		74LS191	
	SGS-Thomson		
		T74LS191	
		74LS191	
	TI	SN74LS191	
74LS192	Hitachi	HD74LS192	
	Motorola	SN74LS192	
	National	74LS192	
	SGS-Thomson		
		T74LS192	
		74LS192	
	TI	SN74LS192	
74LS193	Hitachi	HD74LS193	
	Motorola	SN74LS193	
	National	DM74LS193	
		74LS193	
	SGS-Thomson		
		T74LS193	
		74LS193	
	TI	SN74LS193	
74LS194A	GoldStar	GD74LS194A	
	Hitachi	HD74LS194A	
	Motorola	SN74LS194A	
	National	DM74LS194A	
	Rochester	74LS194	
	SGS-Thomson		
		T74LS194A	
		74LS194	
	TI	SN74LS194A	
74LS195A	Hitachi	HD74LS195A	
	Motorola	SN74LS195A	
	National	DM74LS195A	
	SGS-Thomson		
		T74LS195A	
		74LS195	
	TI	SN74LS195A	
74LS197	Motorola	SN74LS197	
	National	74LS197	
	SGS-Thomson		
		T74LS197	
		74LS197	
	TI	SN74LS197	
74LS20	Hitachi	HD74LS20	
	Motorola	SN74LS20	
	National	DM74LS20	
		74LS20	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS20			(Cont'd)
	Rochester	74LS20	
	SGS-Thomson		
		T74LS20	
		74LS20	
	TI	SN74LS20	
74LS21	GoldStar	GD74LS21	
	Hitachi	HD74LS21	
	Motorola	SN74LS21	
	National	DM74LS21	
		74LS21	
	Rochester	74LS21	
	SGS-Thomson		
		T74LS21	
		74LS21	
	TI	SN74LS21	
74LS240	GoldStar	GD74LS240	
	Hitachi	HD74LS240	
	Motorola	SN74LS240	
	National	DM74LS240	
		74LS240	
	SGS-Thomson		
		T74LS240	
		74LS240	
	TI	SN74LS240	
74LS241	GoldStar	GD74LS241	
	Hitachi	HD74LS241	
	Motorola	SN74LS241	
	National	DM74LS241	
		74LS241	
	SGS-Thomson		
		T74LS241	
		74LS241	
	TI	SN74LS241	
74LS242	Hitachi	HD74LS242	
	Motorola	SN74LS242	
	TI	SN74LS242	
74LS243	Hitachi	HD74LS243	
	Motorola	SN74LS243	
	National	DM74LS243	
	TI	SN74LS243	
74LS244	GoldStar	GD74LS244	
	Hitachi	HD74LS244	
	Motorola	SN74LS244	
	National	DM74LS244	
		74LS244	
	SGS-Thomson		
		T74LS244	
		74LS244	
	TI	SN74LS244	
74LS245	GoldStar	GD74LS245	
	Hitachi	HD74LS245	
	Motorola	SN74LS245	
	National	DM74LS245	
		74LS245	
	Rochester	74LS245	
	SGS-Thomson		
		T74LS245	
		74LS245	
	TI	SN74LS245	
74LS251	Hitachi	HD74LS251	
	Motorola	SN74LS251	
	National	DM74LS251	
		74LS251	
	Rochester	74LS251	
	SGS-Thomson		
		T74LS251	
		74LS251	
	TI	SN74LS251	
74LS253	Hitachi	HD74LS253	
	Motorola	SN74LS253	
	National	DM74LS253	
		74LS253	
	Rochester	74LS253	
	SGS-Thomson		
		T74LS253	
		74LS253	
	TI	SN74LS253	
74LS256	Motorola	SN74LS256	
	National	74LS256	
	SGS-Thomson		
		T74LS256	
		74LS256	
74LS257A	GoldStar	GD74LS257A	
	Hitachi	HD74LS257	
	Motorola	SN74LS257A	
	National	DM74LS257B	
		74LS257	
	Rochester	74LS257	
	SGS-Thomson		
		T74LS257A	
		74LS257	
	TI	SN74LS257B	

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Signetics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS258A	Hitachi	HD74LS258	
	Motorola	SN74LS258A	
	National	DM74LS258B	
		74LS258	
	Rochester	74LS258	
	SGS-Thomson		
		T74LS258A	
		74LS258	
	TI	SN74LS258B	
74LS259	Hitachi	HD74LS259	
	Motorola	SN74LS259	
	National	DM74LS259	
		74LS259	
	Rochester	74LS259	
	SGS-Thomson		
		T74LS259	
		74LS259	
	TI	SN74LS259B	
74LS26	Hitachi	HD74LS26	
	Motorola	SN74LS26	
	National	DM74LS26	
		74LS26	
	Rochester	74LS26	
	SGS-Thomson		
		T74LS26A	
		74LS26	
	TI	SN74LS26	
74LS260	Motorola	SN74LS260	
	National	74LS260	
	SGS-Thomson		
		T74LS260	
		74LS260	
74LS266	Hitachi	HD74LS266	
	Motorola	SN74LS266	
	National	74LS266	
	SGS-Thomson		
		T74LS266	
		74LS266	
	TI	SN74LS266	
74LS27	GoldStar	GD74LS27	
	Hitachi	HD74LS27	
	Motorola	SN74LS27	
	National	DM74LS27	
		74LS27	
	Rochester	74LS27	
	SGS-Thomson		
		T74LS27	
		74LS27	
	TI	SN74LS27	
74LS273	GoldStar	GD74LS273	
	Hitachi	HD74LS273	
	Motorola	SN74LS273	
	National	74LS273	
	SGS-Thomson		
		T74LS273	
		74LS273	
	TI	SN74LS273	
74LS283	Hitachi	HD74LS283A	
	Motorola	SN74LS283	
	National	DM74LS283	
		74LS283	
	SGS-Thomson		
		T74LS283	
		74LS283	
	TI	SN74LS283	
74LS290	Hitachi	HD74LS290	
	Motorola	SN74LS290	
	National	DM74LS290	
		74LS290	
	TI	SN74LS290	
74LS293	Hitachi	HD74LS293	
	Motorola	SN74LS293	
	National	DM74LS293	
		74LS293	
	SGS-Thomson		
		T74LS293	
		74LS293	
	TI	SN74LS293	
74LS295B	SGS-Thomson		
		T74LS295A	
		74LS295A	
	TI	SN74LS295B	
74LS298	Hitachi	HD74LS298	
	Motorola	SN74LS298	
	National	74LS298	
	SGS-Thomson		
		T74LS298	
		74LS298	
	TI	SN74LS298	
74LS30	GoldStar	GD74LS30	
	Hitachi	HD74LS30	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS30			(Cont'd)
	Motorola	SN74LS30	
	National	DM74LS30	
		74LS30	
	Rochester	74LS30	
	SGS-Thomson		
		T74LS30	
		74LS30	
	TI	SN74LS30	
74LS32	GoldStar	GD74LS32	
	Hitachi	HD74LS32	
	Motorola	SN74LS32	
	National	DM74LS32	
		74LS32	
	Rochester	74LS32	
	SGS-Thomson		
		T74LS32	
		74LS32	
	TI	SN74LS32	
74LS33	Motorola	SN74LS33	
	National	74LS33	
	SGS-Thomson		
		T74LS33	
		74LS33	
	TI	SN74LS33	
74LS352	Motorola	SN74LS352	
	National	DM74LS352	
		74LS352	
	SGS-Thomson		
		T74LS352	
		74LS352	
	TI	SN74LS352	
74LS353	Motorola	SN74LS353	
	National	74LS353	
	SGS-Thomson		
		T74LS353	
		74LS353	
	TI	SN74LS353	
74LS365A	Hitachi	HD74LS365A	
	Motorola	SN74LS365A	
	National	DM74LS365A	
		74LS365	
	Rochester	74LS365	
	SGS-Thomson		
		T74LS365A	
		74LS365A	
	TI	SN74LS365A	
74LS366A	Hitachi	HD74LS366A	
	Motorola	SN74LS366A	
	National	DM74LS366A	
		74LS366	
	SGS-Thomson		
		T74LS366A	
		74LS366A	
	TI	SN74LS366A	
74LS367A	GoldStar	GD74LS367A	
	Hitachi	HD74LS367A	
	Motorola	SN74LS367A	
	National	DM74LS367A	
		74LS367	
	Rochester	74LS367	
	SGS-Thomson		
		T74LS367A	
		74LS367A	
	TI	SN74LS367A	
74LS368A	Hitachi	HD74LS368A	
	Motorola	SN74LS368A	
	National	DM74LS368A	
		74LS368	
	Rochester	74LS368	
	SGS-Thomson		
		T74LS368A	
		74LS368A	
	TI	SN74LS368A	
74LS37	Hitachi	HD74LS37	
	Motorola	SN74LS37	
	National	DM74LS37	
		74LS37	
	Rochester	74LS37	
	SGS-Thomson		
		T74LS37	
		74LS37	
	TI	SN74LS37	
74LS373	GoldStar	GD74LS373	
	Hitachi	HD74LS373	
	Motorola	SN74LS373	
	National	DM74LS373	
		74LS373	
	SGS-Thomson		
		T74LS373	
		74LS373	
	TI	SN74LS373	
74LS374	GoldStar	GD74LS374	
	Hitachi	HD74LS374	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS374			(Cont'd)
	Motorola	SN74LS374	
	National	DM74LS374	
		74LS374	
	SGS-Thomson		
		T74LS374	
		74LS374	
	TI	SN74LS374	
74LS375	Hitachi	HD74LS375	
	Motorola	SN74LS375	
	National	74LS375	
	TI	SN74LS375	
74LS377	Motorola	SN74LS377	
	National	74LS377	
	SGS-Thomson		
		T74LS377	
		74LS377	
	TI	SN74LS377	
74LS378	Motorola	SN74LS378	
	National	74LS378	
	SGS-Thomson		
		T74LS378	
		74LS378	
	TI	SN74LS378	
74LS38	Hitachi	HD74LS38	
	Motorola	SN74LS38	
	National	DM74LS38	
		74LS38	
	Rochester	74LS38	
	SGS-Thomson		
		T74LS38	
		74LS38	
	TI	SN74LS38	
74LS390	Hitachi	HD74LS390	
	Motorola	SN74LS390	
	National	DM74LS390	
	SGS-Thomson		
		T74LS390	
		74LS390	
	TI	SN74LS390	
74LS393	GoldStar	GD74LS393	
	Hitachi	HD74LS393	
	Motorola	SN74LS393	
	National	DM74LS393	
		74LS393	
	SGS-Thomson		
		T74LS393	
		74LS393	
	TI	SN74LS393	
74LS395A	National	74LS395	
	SGS-Thomson		
		T74LS395A	
		74LS395	
	TI	SN74LS395A	
♦ 74LS40	Hitachi	HD74LS40	
	Motorola	SN74LS40	
	National	74LS40	
	SGS-Thomson		
		T74LS40	
		74LS40	
♦ 74LS40	TI	SN74LS40	
74LS42	Hitachi	HD74LS42	
	Motorola	SN74LS42	
	National	DM74LS42	
		74LS42	
	Rochester	74LS42	
	SGS-Thomson		
		T74LS42	
		74LS42	
	TI	SN74LS42	
74LS490	Hitachi	HD74LS490	
	Motorola	SN74LS490	
	National	74LS490	
	SGS-Thomson		
		T74LS490	
		74LS490	
74LS51	Hitachi	HD74LS51	
	Motorola	SN74LS51	
	National	DM74LS51	
		74LS51	
	Rochester	74LS51	
	SGS-Thomson		
		T74LS51	
		74LS51	
	TI	SN74LS51	
74LS54	Hitachi	HD74LS54	
	Motorola	SN74LS54	
	National	74LS54	
	SGS-Thomson		
		T74LS54	
		74LS54	
	TI	SN74LS54	
74LS540	Motorola	SN74LS540	
	National	74LS540	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS540			(Cont'd)
	SGS-Thomson		
		T74LS540	
	TI	SN74LS540	
74LS541	Motorola	SN74LS541	
	TI	SN74LS541	
74LS569A	Motorola	SN74LS569	
74LS623	Motorola	SN74LS623	
	Rochester	74LS623	
	TI	SN74LS623	
74LS640	Motorola	SN74LS640	
	Signetics	74LS640-1	
	TI	SN74LS640	
		SN74LS640-1	
74LS640-1	Motorola	SN74LS640	
	Signetics	74LS640	
	TI	SN74LS640	
		SN74LS640-1	
74LS641	Hitachi	HD74LS641	
	Motorola	SN74LS641	
	Signetics	74LS641-1	
	TI	SN74LS641	
		SN74LS641-1	
74LS641-1	Hitachi	HD74LS641	
	Motorola	SN74LS641	
	Signetics	74LS641	
	TI	SN74LS641	
		SN74LS641-1	
74LS642	Hitachi	HD74LS642	
	Motorola	SN74LS642	
	Signetics	74LS642-1	
	TI	SN74LS642	
		SN74LS642-1	
74LS642-1	Hitachi	HD74LS642	
	Motorola	SN74LS642	
	Signetics	74LS642	
	TI	SN74LS642	
		SN74LS642-1	
74LS645	Hitachi	HD74LS645	
	Motorola	SN74LS645	
	Signetics	74LS645-1	
	TI	SN74LS645	
		SN74LS645-1	
74LS645-1	Hitachi	HD74LS645	
	Motorola	SN74LS645	
	Signetics	74LS645	
	TI	SN74LS645	
		SN74LS645-1	
74LS670	GoldStar	GD74LS670	
	Motorola	SN74LS670	
	National	DM74LS670	
		74LS670	
	Rochester	74LS670	
	SGS-Thomson		
		T74LS670	
		74LS670	
	TI	SN74LS670	
74LS73	Hitachi	HD74LS73A	
	Motorola	SN74LS73A	
	National	DM74LS73A	
	TI	SN74LS73A	
74LS74A	GoldStar	GD74LS74A	
	Hitachi	HD74LS74A	
	Motorola	SN74LS74A	
	National	DM74LS74	
		74LS74	
	Rochester	74LS74	
	SGS-Thomson		
		T74LS74A	
		74LS74	
	TI	SN74LS74A	
74LS75	GoldStar	GD74LS75	
	Hitachi	HD74LS75	
	Motorola	SN74LS75	
	National	DM74LS75	
	Rochester	74LS75	
	TI	SN74LS75	
74LS76	Hitachi	HD74LS76A	
	Motorola	SN74LS76A	
	TI	SN74LS76A	
74LS83A	Hitachi	HD74LS83A	
	Motorola	SN74LS83A	
	National	DM74LS83A	
		74LS83	
	Rochester	74LS83	
	SGS-Thomson		
		T74LS83A	
		74LS83A	
	TI	SN74LS83A	
74LS85	Hitachi	HD74LS85	
	Motorola	SN74LS85	
	National	DM74LS85	
		74LS85	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Signetics (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
74LS85			(Cont'd)
	Rochester	74LS85	
	TI	SN74LS85	
74LS86	GoldStar	GD74LS86	
	Hitachi	HD74LS86	
	Motorola	SN74LS86	
	National	DM74LS86	
		74LS86	
	Rochester	74LS86	
	SGS-Thomson		
		T74LS86	
		74LS86	
	TI	SN74LS86A	
74LS90	Hitachi	HD74LS90	
	Motorola	SN74LS90	
	National	DM74LS90	
	Rochester	74LS90	
	SGS-Thomson		
		74LS90	
	TI	SN74LS90	
74LS92	Hitachi	HD74LS92	
	Motorola	SN74LS92	
	TI	SN74LS92	
74LS93	GoldStar	GD74LS93	
	Hitachi	HD74LS93	
	Motorola	SN74LS93	
	National	DM74LS93	
	Rochester	74LS93	
	SGS-Thomson		
		74LS93	
	TI	SN74LS93	
74LS95B	Hitachi	HD74LS95B	
	Motorola	SN74LS95B	
	National	74LS95B	
	SGS-Thomson		
		T74LS95B	
		74LS95B	
	TI	SN74LS95B	
74LS96	TI	SN74LS96	
74S00	GoldStar	GD74S00	
	National	DM74S00	
		74S00	
	TI	SN74S00	
74S02	National	DM74S02	
		74S02	
	TI	SN74S02	
74S03	National	DM74S03	
		74S03	
	Rochester	74S03	
	TI	SN74S03	
74S04	GoldStar	GD74S04	
	National	DM74S04	
		74S04	
	Rochester	74S04	
	TI	SN74S04	
74S05	National	DM74S05	
		74S05	
	Rochester	74S05	
	TI	SN74S05	
74S08	GoldStar	GD74S08	
	National	DM74S08	
		74S08	
	TI	SN74S08	
74S10	National	DM74S10	
		74S10	
	TI	SN74S10	
74S11	National	DM74S11	
		74S11	
	Rochester	74S11	
	TI	SN74S11	
74S112	GoldStar	GD74S112	
	National	DM74S112	
		74S112	
	Rochester	74S112	
	TI	SN74S112	
♦ 74S113	National	DM74S113	
	Rochester	74S113	
	TI	SN74S113	
74S133	National	DM74S133	
		74S133	
	Rochester	74S133	
	TI	SN74S133	
74S134	Rochester	74S134	
	TI	SN74S134	
♦ 74S135	National	74S135	
	Rochester	74S135	
	TI	SN74S135	
74S138	National	DM74S138	
		74S138	
	TI	SN74S138	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74S139	National	DM74S139	
		74S139	
	Rochester	74S139	
	TI	SN74S139	
74S140	National	DM74S140	
	TI	SN74S140	
74S151	National	DM74S151	
		74S151	
	Rochester	74S151	
	TI	SN74S151	
74S153	National	DM74S153	
		74S153	
	Rochester	74S153	
	TI	SN74S153	
74S157	National	DM74S157	
		74S157	
	Rochester	74S157	
	TI	SN74S157	
74S158	National	DM74S158	
		74S158	
	Rochester	74S158	
	TI	SN74S158	
♦ 74S169A	TI	SN74S169	
74S174	GoldStar	GD74S174	
	National	DM74S174	
		74S174	
	Rochester	74S174	
	TI	SN74S174	
74S175	National	DM74S175	
		74S175	
	TI	SN74S175	
74S181	TI	SN74S181	
♦ 74S182	National	DM74S182	
	TI	SN74S182	
74S189	Cypress	CY74S189-35C	
	National	DM74S189	
		DM74S189A	
74S195	National	DM74S195	
	TI	SN74S195	
74S20	National	DM74S20	
		74S20	
	Rochester	74S20	
	TI	SN74S20	
74S225	TI	SN74S225	
74S240	AMD	AM74S240	
	National	DM74S240	
	TI	SN74S240	
74S241	AMD	AM74S241	
	National	DM74S241	
	TI	SN74S241	
74S244	AMD	AM74S244	
	TI	SN74S244	
74S251	National	DM74S251	
	TI	SN74S251	
74S253	National	DM74S253	
		74S253	
	TI	SN74S253	
74S257	National	DM74S257	
		74S257	
	Rochester	74S257	
	TI	SN74S257	
74S258	National	DM74S258	
		74S258	
	Rochester	74S258	
	TI	SN74S258	
74S260	Rochester	74S260	
	TI	SN74S260	
74S280	National	DM74S280	
	TI	SN74S280	
74S32	GoldStar	GD74S32	
	National	DM74S32	
		74S32	
	TI	SN74S32	
74S37	TI	SN74S37	
74S373	National	DM74S373	
	TI	SN74S373	
74S374	AMD	AM74S374	
	GoldStar	GD74S374	
	National	DM74S374	
	TI	SN74S374	
74S38	TI	SN74S38	
74S40	National	DM74S40	
		74S40	
	TI	SN74S40	
74S51	GoldStar	GD74S51	
	National	DM74S51	
		74S51	
	TI	SN74S51	
74S534	AMD	AM74S534	
74S64	National	DM74S64	
		74S64	
	Rochester	74S64	
	TI	SN74S64	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74S74	GoldStar	GD74S74	
	National	DM74S74	
		74S74	
	Rochester	74S74	
	TI	SN74S74	
74S85	TI	SN74S85	
74S86	National	DM74S86	
		74S86	
	Rochester	74S86	
	TI	SN74S86	
♦ 7400	Rochester	7400	
♦ 7402	Rochester	7402	
♦ 7403	Rochester	7403	
♦ 7404	Rochester	7504	
♦ 7405	Rochester	7405	
♦ 7406	Rochester	7406	
♦ 7407	Rochester	7407	
♦ 7408	Rochester	7408	
♦ 7410	Rochester	7410	
♦ 74121	Rochester	74121	
♦ 74122	Rochester	74122	
♦ 74123	Rochester	74123	
♦ 74125	Rochester	74125	
♦ 74126	Rochester	74126	
♦ 7413	Rochester	7413	
♦ 74132	Rochester	74132	
♦ 7414	Rochester	7414	
♦ 74141	Rochester	74141	
♦ 74145	Rochester	74145	
♦ 74150	Rochester	74150	
♦ 74153	Rochester	74153	
♦ 74155	Rochester	74155	
♦ 74156	Lansdale	ML74156	
	Rochester	74156	
♦ 74157	Rochester	74157	
♦ 7416	Rochester	7416	
♦ 74160	Rochester	74160	
♦ 74161	Rochester	74161	
♦ 74163	Rochester	74163	
♦ 74164	Rochester	74164	
♦ 74165	Rochester	74165	
♦ 74166	Rochester	74166	
♦ 7417	Rochester	7417	
♦ 74174	Rochester	74174	
♦ 74175	Rochester	74175	
♦ 74176	Rochester	74176	
♦ 74177	Rochester	74177	
♦ 74179	Rochester	74179	
♦ 74180	Rochester	74181	
♦ 74181	Rochester	74181	
♦ 74190	Rochester	74190	
♦ 74192	Rochester	74192	
♦ 74193	Rochester	74193	
♦ 74194	Rochester	74194	
♦ 74195	Rochester	74195	
♦ 74196	Rochester	74196	
♦ 74198	Rochester	74198	
♦ 74199	Rochester	74199	
♦ 7420	Rochester	7420	
♦ 7430	Rochester	7430	
♦ 7432	Rochester	7432	
♦ 7437	Rochester	7437	
♦ 7438	Rochester	7438	
♦ 7440	Rochester	7440	
♦ 7442	Rochester	7442	
♦ 7445	Rochester	7445	
♦ 7450	Rochester	7450	
♦ 7451	Rochester	7451	
♦ 7460	Rochester	7460	
♦ 7472	Rochester	7472	
♦ 7473	Rochester	7473	
♦ 7474	Rochester	7474	
♦ 7475	Rochester	7475	
♦ 7476	Rochester	7476	
♦ 7483	Rochester	7483	
♦ 7485	Rochester	7485	
♦ 7486	Rochester	7486	
♦ 7491	Rochester	7491	
♦ 7492	Rochester	7492	
♦ 7493	Rochester	7493	
♦ 7495	Rochester	7495	
♦ 7496	Rochester	7496	
75S107	National	DS75107	
75S108	National	DS75108	
75S208	National	DS75208	
80C451	Hitachi	HD647180	
♦ 82HS147	Lansdale	HL7649	
♦ 82HS191	Lansdale	HL76161	
82HS641	Microchip	27HC641	
♦ 82S123	Lansdale	HL7603	
♦ 82S126	Lansdale	HL7610	
♦ 82S129	Lansdale	HL7611	
♦ 82S131	Lansdale	HL7621	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ 82S136	Lansdale	HL7642	
♦ 82S137	Lansdale	HL7643	
♦ 82S141	Lansdale	HL7641	
♦ 82S147	Lansdale	HL7649	
♦ 82S181	Lansdale	HL7681	
♦ 82S185	Lansdale	HL7685	
♦ 82S191	Lansdale	HL76161	
♦ 82S195	Lansdale	HL76165	
♦ 82S23	Lansdale	HL7602	
♦ 82S321	Lansdale	HL76321	
♦ 8470	Lansdale	ML7410	
♦ 8481	Lansdale	ML7403	
♦ 8490	Lansdale	ML7404	
♦ 8881	Lansdale	ML701	
		ML7401	
		SL7401	

Silicon General

Manufacturer Device	Replacement Source	Device	IC Master Page
CA3524	Harris	CA3524	
JAN2003	Allegro Micro	ULS2003	
LM317	National	LM317	
MC78M18	Motorola	MC78M18	
SG100	Motorola	MC1723	
SG101	LinearTech	LM101	
	Motorola	LM101	
	National	LM101	
SG103	TLSI	TL103	
SG104	National	LM104	
SG105	National	LM105	
SG107	Motorola	MC1741	
	National	LM107	
SG108	LinearTech	LM108	
		LT1008	
SG109	Motorola	LM109	
	National	LM109	
SG111	LinearTech	LM111	
		LT1011	
		LT111	
	Motorola	LM111	
SG117	LinearTech	LM117	
	National	LM117	
	Unitrode	UC117	
SG117K	SemTech	LLM117	
SG1173	National	LM675	
SG118	Motorola	MC1741	
SG120	National	LM120	
SG120-05/883B			
	TI	UA79M12MFKB	
SG120-05L/883B			
	TI	UA79M05MFKB	
SG123	LinearTech	LM123	
		LT1003	
		LT123	
	National	LM123	
SG124	LinearTech	LT1014	
	Motorola	LM124	
	National	LM124	
SG124F/883B			
	TI	LM124WB	
SG124J	TI	LM124J	
SG124J/883B	TI	LM124JB	
SG124L/883B			
	TI	LM124FKB	
SG1250	Motorola	MC1776	
SG137	LinearTech	LM137	
		LT1033	
	National	LM137	
	Unitrode	UC137	
SG138	LinearTech	LM138	
		LT138	
	National	LM138	
SG138K	SemTech	LLM138	
SG140	Motorola	LM140	
	National	LM140	
SG140-05L/883B			
	TI	UA78M05MFKB	
SG140-12L/883B			
	TI	UA78M12MFKB	
SG1402	Motorola	MC1594	
SG1436	Motorola	MC1436	
	National	LM343	
SG1456	Motorola	MC1456	
SG1458	Motorola	MC1458	
SG1468	Motorola	MC1468	
SG1495	Motorola	MC1495	
SG1496	Motorola	MC1496	
	Signetics	MC1496	
SG150	LinearTech	LM150	
	National	LM150	
	Unitrode	UC150	
SG150K	SemTech	LLM150	
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Silicon General (Cont'd)			
SG1501	Motorola	MC1558	
		MC1568	
SG1502	Motorola	MC1568	
SG1503	Motorola	MC1503	
SG1524	Exar	XR1524	
	Harris	CA1524	
	LinearTech	LT1524	
		SG1524	
	Motorola	TL494	
	National	LM1524	
	SGS-Thomson		
		SG1524	
	Unitrode	UC1524	
SG1525	LinearTech	LT1525	
		SG1525	
	National	LM1525	
	SGS-Thomson		
		SG1525	
	Unitrode	UC1525	
SG1526	LinearTech	LT1526	
	Unitrode	UC1526	
SG1527	LinearTech	LT1527	
		SG1527	
	National	LM1527	
	SGS-Thomson		
		SG1527	
	Unitrode	UC1527	
SG1536	Harris	HA2640	
	Motorola	MC1536	
	National	LM143	
SG1543	Unitrode	UC1543	
SG1544	Unitrode	UC1544	
SG1558	LinearTech	LT1013	
	Motorola	MC1558	
SG1568	Motorola	MC1568	
SG1595	Motorola	MC1595	
SG1596	Motorola	MC1596	
SG1626	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
SG1644	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
SG1660	Motorola	LM301	
SG1840	Unitrode	UC1840	
		UC1841	
SG1842	Unitrode	UC1842	
SG1843	Unitrode	UC1843	
SG1846	Unitrode	UC1846	
SG1847	Unitrode	UC1847	
SG200	Motorola	MC1723	
SG2001	SGS-Thomson		
		ULN2001	
		ULQ2001	
SG2002	SGS-Thomson		
		ULN2002	
		ULQ2002	
SG2003	Allegro		
	Micro	ULN2003	
		ULS2003	
	SGS-Thomson		
		ULN2003	
		ULQ2003	
SG2004	Allegro		
	Micro	ULN2004	
		ULS2004	
	SGS-Thomson		
		ULQ2004	
SG201	Motorola	LM201	
	National	LM201	
SG204	National	LM204	
SG205	National	LM205	
SG2064	Allegro		
	Micro	ULN2064	
SG2065	Allegro		
	Micro	ULN2065	
SG2066	Allegro		
	Micro	ULN2066	
SG2067	Allegro		
	Micro	ULN2067	
SG2068	Allegro		
	Micro	ULN2068	
SG2069	Allegro		
	Micro	ULN2069	
SG207	Motorola	MC1741	
	National	LM207	
SG2070	Allegro		
	Micro	ULN2070	
SG2071	Allegro		
	Micro	ULN2071	
SG2074	Allegro		
	Micro	ULN2074	
SG2075	Allegro		
	Micro	ULN2075	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SG2076	Allegro		
	Micro	ULN2076	
SG2077	Allegro		
	Micro	ULN2077	
SG209	Motorola	LM209	
SG211	Motorola	LM211	
	Signetics	LM211	
SG217	Motorola	MC1741	
	Unitrode	UC217	
SG218	Motorola	MC1741	
SG224	Motorola	LM224	
	National	LM224	
SG2250	Motorola	MC1776	
SG237	Unitrode	UC237	
SG2402	Motorola	MC1494	
SG250	Unitrode	UC250	
SG2501	Motorola	MC1468	
SG2502	Motorola	MC1468	
SG2503	Motorola	MC1403	
		TL494	
SG2524	Harris	CA2524	
	National	LM2524	
	SGS-Thomson		
		SG2524	
	Unitrode	UC2524	
SG2525	SGS-Thomson		
		SG2525	
	Unitrode	UC2525	
SG2526	Unitrode	UC2526	
SG2527	SGS-Thomson		
		SG2527	
	Unitrode	UC2527	
SG2532	SemTech	LAS1100	
SG2543	Unitrode	UC2543	
SG2544	Unitrode	UC2544	
SG2548	Unitrode	UC2548	
SG2626	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
SG2644	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
SG2840	Unitrode	UC2840	
SG2841	Allegro		
	Micro	UDN2841	
SG2842	Unitrode	UC2842	
SG2842AN16	Cherry Semi	CS2842AN	
SG2843	Unitrode	UC2843	
SG2843NN16	Cherry Semi	CS2843AN	
SG2844	Cherry Semi	CS2844	
SG2845	Allegro		
	Micro	UDN2845	
	Cherry Semi	CS2845	
SG2846	Unitrode	UC2846	
SG29125	Cherry Semi	CS955	
SG298	Allegro		
	Micro	UDN2998	
SG29805	Cherry Semi	CS965	
SG300	Motorola	MC1723	
SG301	Motorola	LM301	
	National	LM301	
SG304	National	LM304	
SG3045	Allegro		
	Micro	ULS2045	
	GEC Plessey	SL3046	
	Harris	CA3045	
SG3046	Allegro		
	Micro	ULN2046	
	GEC Plessey	SL3046	
SG3049	Harris	CA3049	
SG305	National	LM305	
SG307	Motorola	LM307	
	National	LM307	
SG3081	Allegro		
	Micro	ULN2081	
SG3082	Allegro		
	Micro	ULN2082	
SG3083	Allegro		
	Micro	ULN2083	
	Harris	CA3083	
SG3086	Allegro		
	Micro	ULN2086	
SG309	Motorola	LM309	
	National	LM309	
	SemTech	LAS1505	
SG311	LinearTech	LM311	
		LT1011	
		LT311	
	Motorola	LM311	
SG3146	Allegro		
	Micro	ULN2046	
SG317	LinearTech	LM317	
		LT317	
	Motorola	LM317	
	National	LM317	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SG317			(Cont'd)
	SemTech	LLM317	
	Unitrode	UC317	
SG3172	Cherry Semi	CS365	
SG3173	Allegro		
	Micro	ULN3751	
	National	LM675	
SG318	Motorola	MC1741	
SG3183	Allegro		
	Micro	ULN2083	
	Harris	CA3183	
SG320	National	LM320	
	SemTech	LAS1805	
		LAS1808	
		LAS1812	
		LAS1815	
SG320-5.2K	SemTech	LAS1805.2	
SG323	LinearTech	LM323	
		LT1003	
		LT323	
	National	LM323	
	SemTech	LAS1405	
		LLM323	
SG323K	SemTech	LLM323K	
SG324	Motorola	LM324	
	National	LM324	
SG3250	Motorola	MC1776	
SG337	LinearTech	LM337	
		LT1033	
		LT337	
	Motorola	LM337	
	National	LM337	
	Unitrode	UC337	
SG338	LinearTech	LM338	
		LT338	
	National	LM338	
SG340	Motorola	LM340	
	National	LM340	
	SemTech	LAS1505	
		LAS1506	
		LAS1508	
		LAS1512	
		LAS1515	
		LAS1518	
		LAS1524	
	Unitrode	UC7812	
SG3402	Motorola	MC1494	
SG3423	Motorola	MC3423	
SG350	LinearTech	LM350	
		LT350	
	Motorola	LM350	
	National	LM350	
	Unitrode	UC350	
SG350K	SemTech	LLM350K	
SG3501	Motorola	MC1468	
SG3502	Motorola	MC1468	
SG3503	Motorola	MC1403	
SG3523	Motorola	MC3523	
SG3524	Exar	XR3524	
	LinearTech	LT3524	
		SG3524	
	Motorola	TL494	
	National	LM3524	
	SGS-Thomson		
		SG3524	
	Signetics	SG3524	
	TI	SG3524	
	Unitrode	UC3524	
SG3524BN	Cherry Semi	CS3524AN	
SG3525	Allegro		
	Micro	SG3525	
	LinearTech	LT3525	
		SG3525	
	National	LM3525	
	Unitrode	UC3525	
SG3526	Allegro		
	Micro	SG3526	
	LinearTech	LT3526	
	Signetics	SG3526	
	Unitrode	UC1526	
		UC3526	
SG3527	Allegro		
	Micro	SG3527	
	LinearTech	LT3527	
		SG3527	
	National	LM3527	
	Unitrode	UC3527	
SG3532	SemTech	LAS1000	
SG3543	Unitrode	UC3543	
SG3544	Unitrode	UC3544	
SG3548	Allegro		
	Micro	ULN8130	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SG3626	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
SG3635	Allegro		
	Micro	UDN2935	
SG3637	Allegro		
	Micro	UDN2545	
SG3638	Allegro		
	Micro	UDN2976	
SG3643	Allegro		
	Micro	UDN2962	
SG3644	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
SG3727	SGS-Thomson		
		SG3527	
SG3821	Allegro		
	Micro	ULN2046	
		ULS2045	
	GEC Plessey	SL3046	
		SL3145	
SG3822	Allegro		
	Micro	ULN2054	
SG3842	Astec Semi	AS3842	
	TI	UC3842	
	Unitrode	UC3842	
SG3843	Astec Semi	AS3843	
	TI	UC3843	
	Unitrode	UC3843	
SG3844	Astec Semi	AS3844	
	Cherry Semi	CS3844	
	TI	UC3844	
SG3845	Astec Semi	AS3845	
	Cherry Semi	CS3845	
	TI	UC3845	
SG3846	Unitrode	UC3846	
SG3847	Unitrode	UC3847	
SG3851	Allegro		
	Micro	ULN2011	
		ULS2011	
	SiliconG	ULS2011	
SG3852	Allegro		
	Micro	ULN2012	
		ULS2012	
SG3853	Allegro		
	Micro	ULN2013	
		ULS2013	
SG3854	Allegro		
	Micro	ULN2014	
		ULS2014	
SG3886	Allegro		
	Micro	ULN2086	
SG4194	Motorola	MC1468	
		MC1568	
SG4250	Motorola	MC1776	
SG4501	Motorola	MC1468	
SG501	Motorola	MC1468	
SG555	Motorola	MC1455	
SG556	Motorola	MC3456	
SG6118	Allegro		
	Micro	UDN6118	
SG708	Motorola	MC78M08	
SG723	Fujitsu	MB3752	
	Motorola	MC1723	
	National	LM723	
	SiliconG	CA0723	
SG723F/883B			
	TI	UA723MUB	
SG723J	TI	UA723MJ	
SG723J/883B	TI	UA723MJB	
SG723L/883B			
	TI	UA723MFKB	
SG741	Motorola	MC1741	
	National	LM741	
SG741L/883B			
	TI	UA741MFKB	
SG741T/883B			
	TI	UA741MLB	
SG741Y	TI	UA741MJB	
		UA741MJG	
SG741Y/883B			
	TI	UA741MJGB	
SG747	Motorola	MC1747	
SG748	Motorola	MC1748	
SG7805	*SemTech*	LAS1505	
	TI	μA7805	
	Unitrode	UC7805	
SG7806	SemTech	LAS1506	
	TI	μA7806	
SG7808	Motorola	MC7808	
	SemTech	LAS1508	
	TI	μA7808	
SG7812	Motorola	MC78M12	
		MC7812	
	SemTech	LAS1512	
	TI	μA7812	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Silicon General (Cont'd)			
SG7815	SemTech	LAS1515	
	TI	μA7815	
	Unitrode	UC7815	
SG7818	Motorola	MC78M18	
		MC7818	
	SemTech	LAS1518	
	TI	μA7818	
SG7824	SemTech	LAS1524	
	TI	μA7824	
SG7905	Motorola	MC7905	
	SemTech	LAS1805	
	TI	μA7905	
	Unitrode	UC7905	
SG7905.2K	SemTech	LAS1805.2	
SG7908	Motorola	MC7908	
	SemTech	LAS1808	
	TI	μA7908	
SG7912	Motorola	MC7912	
	SemTech	LAS1812	
	TI	μA7912	
SG7915	Motorola	MC7915	
	SemTech	LAS1815	
	TI	μA7915	
	Unitrode	UC7915	
SG7918	Motorola	MC7918	
	TI	μA7918	
SHC85	Harris	HA2420	
SM600	Unitrode	PIC600	
		PIC7519	
SM601	Unitrode	PIC601	
SM602	Unitrode	PIC602	
SM610	Unitrode	PIC610	
SM611	Unitrode	PIC611	
		PIC7505	
SM612	Unitrode	PIC612	
		PIC7506	
SM625	Unitrode	PIC625	
		PIC7507	
		PIC7525	
SM626	Unitrode	PIC626	
		PIC7508	
		PIC7526	
SM627	Unitrode	PIC627	
		PIC7509	
		PIC7527	
SM635	Unitrode	PIC635	
SM636	Unitrode	PIC636	
SM637	Unitrode	PIC637	
SM645	Unitrode	PIC645	
SM646	Unitrode	PIC646	
		PIC7514	
		PIC7532	
SM647	Unitrode	PIC647	
		PIC7515	
SM655	Unitrode	PIC655	
SM656	Toshiba	PIC7517	
	Unitrode	PIC656	
SM657	Unitrode	PIC657	
		PIC7518	
UC3526	Unitrode	SG3526	
556-1/BCA	TI	SE556JB	
Silicon Systems			
SSID5321	Exar	XR532	
SSI104	Fujitsu	MB4111	
SSI117	Fujitsu	MB4117	
SSI118	Fujitsu	MB4118	
SSI1203	Waferscale	WS57C49	
SSI203	NEC	μPD27HC65	
SSI32D5362A	Hitachi	HD153014RF	
SSI32D5371	Hitachi	HD153014RF	
SSI32H101A	Cherry Semi	CS101A	
SSI32H116	Cherry Semi	CS116	
SSI32H569	Hitachi	HA13490FP	
SSI32M595	Hitachi	HA13481S	
SSI32P4720	Hitachi	HD153021F	
SSI32P541	Exar	XR541	
	MicroLinear	ML541	
SSI32R117	Cherry Semi	CS117	
	Exar	XR117	
	MicroLinear	ML117	
SSI32R1200-2			
	Hitachi	HA166024FP	
SSI32R1200-4			
	Hitachi	HA166025FP	
SSI32R1200R-2			
	Hitachi	HA166044FP	
SSI32R1200R-4			
	Hitachi	HA166045FP	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SSI32R4610-2			
	Hitachi	HA166032FP	
SSI32R4610-4			
	Hitachi	HA166034FP	
SSI32R4610R-2			
	Hitachi	HA166032FP	
SSI32R4610R-4			
	Hitachi	HA166034FP	
SSI32R501	Exar	XR501	
	MicroLinear	ML501	
SSI32R501-4	Hitachi	HA166008FP	
SSI32R510A	Cherry Semi	CS510A	
SSI32R511	Cherry Semi	CS511R	
	Exar	XR511	
	MicroLinear	ML511	
SSI32R511-4	Hitachi	HA166008FP	
SSI32R5111-4			
	Hitachi	HA166008FP	
SSI32R516	Hitachi	HA166008FP	
SSI32R570	Cherry Semi	CS570	
SSI62256	Inova	S32K8	
SSI75T04	Crystal	CS204	
SSI75T202	Crystal	CS202	
SSI75T203	Crystal	CS203	
Siliconix			
DF412	Hughes	H7211	
DGP201	Siliconix	DG441	
DGP303	Siliconix	DG403	
DGP508	Siliconix	DG408	
DGP509	Siliconix	DG409	
DG133	Siliconix	DG141	
DG134	Siliconix	DG141	
DG139	Siliconix	DG141	
DG180	Harris	DG180	
DG181	Harris	DG181	
DG182	Harris	DG182	
	TI	TL182	
		TL610	
DG183	Harris	DG183	
DG184	Harris	DG184	
DG185	Harris	DG185	
	TI	TL188	
		TL604	
DG186	Harris	DG186	
DG187	Harris	DG187	
DG188	Harris	DG188	
	TI	TL604	
DG189	Harris	DG189	
DG190	Harris	DG190	
DG191	Harris	DG191	
	TI	TL191	
		TL604	
DG200	AD	SW05	
	Harris	DG200	
	Unitrode	PIC7513	
DG201	AD	SW201	
	Harris	DG201	
	National	LF13201	
DG202	AD	SW202	
	Harris	DG202	
	National	LF13202	
DG211	AD	SW01	
	Harris	DG211	
	National	LF13201	
	Siliconix	DG444	
DG212	AD	SW02	
	Harris	DG212	
	National	LF13202	
	Siliconix	DG445	
DG271	Harris	HI201	
DG281	Siliconix	DG181	
DG284	Siliconix	DG184	
DG287	Siliconix	DG187	
DG290	Siliconix	DG190	
DG300	Harris	DG300	
DG301	Harris	DG301	
DG302	Harris	DG302	
DG303	Harris	DG303	
DG304	Harris	HI304	
DG305	Harris	HI305	
DG306	Harris	HI306	
DG307	Harris	HI307	
DG308	Harris	DG308	
DG309	Harris	DG309	
DG381	Harris	HI381	
DG384	Harris	HI384	
DG387	Harris	HI387	
DG390	Harris	HI390	
DG5040	Harris	HI5040	
DG5041	Harris	HI5041	
	Siliconix	DG401	

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Manufacturer Device	Replacement Source	Device	IC Master Page
DG5042	Harris	HI5042	
DG5043	Harris	HI5043	
		IH5043	
	Siliconix	DG403	
DG5044	Harris	HI5044	
DG5045	AD	SW7510	
	Harris	HI5045	
	Siliconix	DG405	
DG506	Burr-Brown	HI506	
		MPC16	
	Harris	DG506	
DG507	AD	MUX28	
	Burr-Brown	HI507	
		MPC8	
	Harris	DG507	
DG508	AD	MUX08	
	Burr-Brown	HI508	
		MPC8	
	Harris	DG508	
	National	LF13508	
DG509	AD	MUX24	
	Burr-Brown	HI509	
		MPC4	
	Harris	DG509	
	National	LF13509	
DG5140	Harris	IH5140	
DG5141	Harris	IH5141	
	Siliconix	DG401	
DG5142	Harris	IH5142	
DG5143	Harris	IH5143	
	Siliconix	DG403	
DG5144	Harris	IH5144	
DG5145	Harris	IH5145	
	Siliconix	DG405	
DG526	Harris	DG526	
DG527	Harris	DG527	
DG528	Harris	DG528	
DG529	Harris	DG529	
LD110	TI	ICL7135	
		TLC7135	
		TL503	
LD111	TI	ICL7135	
		TLC7135	
		TL501	
LD120	TI	ICL7135	
		TLC7135	
		TL500	
LD121	TI	ICL7135	
		TLC7135	
		TL503	
LI7820	Crystal	CS7280	
L111	GEC Plessey	ZN451	
MUX16	AD	MUX16	
PWM125	SGS-Thomson		
		SG1525	
		SG2525	
		SG3525	
PWM25	Allegro		
	Micro	SG3525	
PWM27	Allegro		
	Micro	SG3527	
SG1626	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
SG1846	Unitrode	UC1846	
SG1847	Unitrode	UC1847	
SG2626	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
SG3626	**Micrel**	**MIC426**	**(3574)**
		MIC4426	
SG3846	Unitrode	UC3846	
SG3847	Unitrode	UC3847	
SI3705142	Siliconix	DG503	
SI3705192	Siliconix	DG503	
SI520	GEC Plessey	ZN437	
	Siliconix	SI8601	
SI581	Elantec	EL2072	
SI582	Elantec	EL400	
SI6009	Siliconix	G118	
SI7135	TI	ICL7135	
		TLC7135	
SI7660	Harris	ICL7660	
SI7661	Harris	ICL7662	
SI8601	GEC Plessey	ZN437	
SI8602	GEC Plessey	ZN437	
Sipex-HSD			
ADC541	GEC Plessey	ZN448	
		ZN449	
ADC581	MicroNet	ADC84	
		ADC85	
ADC581B	MicroNet	ADC87	
ADC85	MicroNet	ADC85	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
ADC85B	MicroNet	ADC87	
ADC85C	MicroNet	ADC85	
DAC331	Burr-Brown	DAC7541	
	GEC Plessey	ZN429	
DAC335	MicroNet	DAC87	
DAC336	Burr-Brown	DAC811	
	GEC Plessey	ZN428	
		ZN558	
DAC337	GEC Plessey	ZN429	
DAC347	Burr-Brown	DAC7541	
	Harris	HIDAC87	
DAC349	MicroNet	MN3349	
DAC377	Burr-Brown	DAC729	
DAC391	Burr-Brown	DAC812	
DAC87	MicroNet	DAC87	
DAC9331	MicroPwr	MP7626	
DAC9332	Burr-Brown	DAC708	
		DAC709	
DAC9349	Burr-Brown	DAC80	
	MicroNet	MN3349	
DAC9356	MicroNet	DAC80	
DAC9377	Burr-Brown	DAC705	
		DAC707	
HDAC7541	Harris	AD7541	
HDAC7545	Harris	AD7545	
HSDAC80	Burr-Brown	DAC80	
	MicroNet	DAC80	
HSDAC87	Burr-Brown	DAC811	
		DAC87	
	Harris	HIDAC87	
HSDA387	Harris	HIDAC87	
HS2020	MicroNet	MN2020	
HS3020	MicroNet	MN3020	
HS3120	Burr-Brown	DAC811	
	MicroPwr	MP7622	
HS3140	MicroPwr	MP7614	
HS3160	Burr-Brown	DAC700	
		DAC703	
HS346	Burr-Brown	SHC5320	
		SHC85	**(3419)**
	Harris	HIDAC80	
	MicroNet	MN346	
HS3860	Burr-Brown	DAC811	
	MicroNet	MN3860	
HS5131	MicroNet	MN5131	
HS5150	MicroNet	MN5150	
HS5200	Harris	HI674	
HS5210	MicroNet	MN5210	
HS5211	MicroNet	MN5211	
HS5212	MicroNet	MN5212	
HS5213	MicroNet	MN5213	
HS5214	MicroNet	AD5214	
HS5215	MicroNet	MN5215	
HS5216	MicroNet	MN5216	
HS5250	MicroNet	MN5250	
HS5251	MicroNet	MN5251	
HS5252	MicroNet	MN5252	
HS5253	MicroNet	MN5253	
HS574	Harris	HI574	
		HI674	
	MicroPwr	MP574	
HS574A	MicroNet	MN574A	
HS7528	MicroPwr	MP7528	
HS7541	AD	PM7541	
	Burr-Brown	DAC7541	
	Harris	AD7541	
	MicroPwr	MP7541	
		MP7623	
HS7542	MicroPwr	MP7542	
HS7543	MicroPwr	MP7543	
HS7545	AD	PM7545	
	Burr-Brown	**DAC7545**	**(3418)**
	Harris	AD7545	
	MicroPwr	MP7545	
HS7584	MicroPwr	MP7680	
HS9338	Burr-Brown	DAC811	
HS9377	Burr-Brown	DAC707	
HS9378	Burr-Brown	DAC707	
HS9403	MicroNet	MN7150	
HS9410	Burr-Brown	SDM872	
	MicroNet	MN7145	
HS9411	MicroNet	MN7146	
HS9412	MicroNet	MN7147	
HS9576	Analogic	ADC4300	
	Burr-Brown	ADC76	
HS9714	MicroNet	MN374	
HS9716	MicroNet	MN374	
HS9720	Analogic	SHA2200	
MUX201	Unitrode	PIC7503	
SDM863	Sipex-HSD	SP9463	
SP2500	Elantec	EHA2500	
	Harris	HA2500	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Sipex-HSD (Cont'd)			
SP2502	Elantec	EHA2502	
	Harris	HA2502	
SP2505	Elantec	EHA2505	
	Harris	HA2505	
SP2510	Elantec	EHA2510	
	Harris	HA2510	
SP2512	Elantec	EHA2512	
	Harris	HA2512	
SP2515	Elantec	EHA2515	
	Harris	HA2515	
SP2520	Elantec	EHA2520	
	Harris	HA2520	
SP2522	Elantec	EHA2522	
	Harris	HA2522	
SP2525	Elantec	EHA2525	
	Unitrode	UC2525	
SP2541	Elantec	EL2041	
	Harris	HA2541	
SP2542	Elantec	EL2020	
		EL2030	
	Harris	HA2542	
SP2600	Elantec	EHA2600	
	Harris	HA2600	
SP2602	Elantec	EHA2602	
	Harris	HA2602	
SP2605	Elantec	EHA2605	
	Harris	HA2605	
SP2620	Elantec	EHA2620	
	Harris	HA2620	
SP2622	Elantec	EHA2622	
	Harris	HA2622	
SP2625	Elantec	EHA2625	
	Harris	HA2625	
SP5330	Harris	HA5330	
SP9316	MicroPwr	MP7626	
Solitron Devices			
CM4002	Fujitsu	MB4002P	
		MB4002PF	
Sony Corporation of America			
CXA1011	Samsung	KA2270	
CXA1019	Samsung	KA22426	
CXA1081	Samsung	KA9201	
CXA1082	Samsung	KA8309	
CXA1096	GEC Plessey	SP973	
	Samsung	KSV3208	
CXA1101	Samsung	KA2271	
CXA1102	Samsung	KA22712	
CXA1106	GEC Plessey	SP95308	
	Sony	SP95408	
CXA1163	Samsung	KA22711	
CXD1135	Samsung	KA9210	
CXD1140	Samsung	KDA0313	
CXD1161	Samsung	KDA0316	
CXD1167	Samsung	KS5990	
CXD1172	Fujitsu	MB40576	
CXD1247	Samsung	KS5991	
CXK381000	Hitachi	TC531000	
CXK382001	Samsung	KM23C2000	
CXK51256	AT&T	ATT7C197	
	Cypress	CY7C197	
	MicronTech	MT5C2561	
	Paradigm	PDM41257	
	Samsung	KM61257	
CXK5164	AT&T	ATT7C187	
	Krueger	6287-35	
		6287-45	
		6287-55	
	LogicDev	L7C187	
	MicronTech	MT5C6401	
	Motorola	MCM6287	
	Toshiba	TC5561	
		TC5562	
CXK5416	IDT	IDT6168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
	UMC	UM6168	
CXK54256	AT&T	ATT7C194	
	Cypress	CY7C194	
	MicronTech	MT5C2564	
	Paradigm	PDM41258	
	Samsung	KM64257	
	Toshiba	TC55464	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
CXK5464	AT&T	ATT7C164	
	IDT	IDT7188	
	Krueger	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	LogicDev	L7C164	
	Micro-C	S16KX4PSC	
	MicronTech	MT5C6404	
	Motorola	MCM6288	
	OKI	MSM5188	
	Toshiba	TC55416	
CXK5465	AT&T	ATT7C166	
	Krueger	6289-25	
		6289-35	
		6289-45	
	LogicDev	L7C166	
	MicronTech	MT5C6405	
	Motorola	MCM6290	
	Samsung	KM6466	
	Toshiba	TC55417	
CXK581000	Inova	S128K8	
	Samsung	KM681000	
	Toshiba	TC551001	
CXK581001	Inova	S128K8	
	Toshiba	TC551001	
CXK581020	AT&T	ATT7C109	
	Inova	S128K8	
	MicronTech	MT5C1005	
CXK5814	IDT	IDT6116	
	LogicDev	L6116	
	UMC	UM6116	
CXK5816	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	LogicDev	L6116	
	Micro-C	S2KX8	
	UMC	UM6116	
CXK5818	IDT	IDT6116	
CXK58255	AT&T	ATT7C199	
	Cypress	CY7C199	
	MicronTech	MT5C2568	
	Motorola	MCM6206	
	Paradigm	PDM41256	
	Toshiba	TC55328	
CXK58256	IDT	IDT71256	
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	Micro-C	S32KX8	
	OKI	MSM51257	
	UMC	UM62256	
CXK58257	Inova	S32K8	
	Micro-C	S32KX8	
	Mosel	MS62256	
	Samsung	KM62256	
	Toshiba	TC55257	
		TC5563	
CXK58258	Cypress	CY7C198	
		CY7C199	
	Inova	S32K8	
	Krueger	62256-025	
		62256-030	
		62256-035	
	MicronTech	MT5C2568	
	Paradigm	PDM41256	
	Samsung	KM68257	
	Toshiba	TC55328	
CXK5863	AT&T	ATT7C185	
	Krueger	6264-025	
		6264-035	
		6264-045	
	MicronTech	MT5C6408	
	Mosel	MS6264	
	Motorola	MCM6264	
	Toshiba	TC5588	
	UMC	UM6164	
CXK5863-35	Krueger	6264LP-035	
CXK5863-45	Krueger	6264LP-045	
CXK5864	IDT	IDT7164	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	LogicDev	L7C185	
	Micro-C	S8KX8	
	Mosel	MS6264	
	OKI	MSM5165	
	Samsung	KM6264	
	Toshiba	TC5563	
		TC5565	
	UMC	UM6264	
CXK5864-L	Krueger	6264L-120	
		6264LP-100	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
CXK5864-L	Krueger		(Cont'd)
		6264LP-120	
		6264LP-150	
CXK5864-70L	Krueger	6264LP-070	
CXK5865	IDT	IDT7164	
	LogicDev	L7C185	
CXK5971	Toshiba	TC5589	
CXK7701	AT&T	ATT7C183	
	MicronTech	**MT56C0816 (3581)**	
	Samsung	KM78C80	
	Toshiba	TC55187	
	UMC	UM61168	
CXP5024	Samsung	KS56C820	
CXQ71055	Micro-C	71055	
CX20106	Samsung	KA2184	
CX20111	Samsung	KA2291	
CX20112	Samsung	KA2269	
CX20116	GEC Plessey	SP97508	
	Signal Proc	HADC77100	
SXA1096	IDT	IDT75C48	
SXK384001	Samsung	KM23C4000	
SXK5164	MicronTech	MT5C1608	
SXK5464	Samsung	KM6465	
2003	AnalogSys	MA332	
		MA362	
2004	AnalogSys	MA372	
Standard Microsystems Corp.			
COM2651	Signetics	SCN2651	
COM2661	Signetics	SCN2661	
COM8017	Micro-C	8017	
CRT9007	Krueger	9007	
FDC1797	Micro-C	1797	
FDC765	Krueger	765	
	Micro-C	765	
FDC9216	UMC	UM8326	
STC Components			
FC15536	GEC Plessey	CT1487	
FC15537	GEC Plessey	CT1589	
		CT2077	
		CT3077	
		CT3231	
FC15538	GEC Plessey	CT3232	
FC15539	GEC Plessey	CT2521	
		CT2522	
STC5089	GEC Plessey	MV5089	
ST5C5089	Gould AMI	S25089	
Supertex			
CM1600	Hughes	H23C16	
23SC64	Hughes	H23C64	
		H23C65	
23SC65	Hughes	H23C64	
		H23C65	
Synergy Semiconductor			
SY100484	IDT	IDT100A484	
		IDT100484	
SY101484	IDT	IDT101A484	
		IDT101484	
SY10484	IDT	IDT10A484	
		IDT10484	
Teledyne Components			
CDG201	Siliconix	DG541	
CDG211	Siliconix	DG541	
CDG308	Siliconix	DG541	
CDG4308	Siliconix	DG540	
REF01	AD	REF01	
	Motorola	MC1404	
REF02	Motorola	MC1404	
TPDAC80	Harris	HIDAC80	
TSC04	Harris	ICL8069	
	LinearTech	LM385	
TSC05	AD	REF43	
	LinearTech	LM385	
TSC1427	Micrel	MIC1427	
TSC1428	Micrel	MIC1428	
TSC14433	TI	ICL7135	
		TLC7135	
TSC15C25	Unitrode	UC1525	
TSC15C27	Unitrode	UC1527	
TSC170	LinearTech	LT3846	
TSC171	LinearTech	LT3847	
TSC18C42	Unitrode	UC1842	
TSC18C44	Unitrode	UC1844	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
TSC18C45	Unitrode	UC1845	
TSC232	Harris	ICL232	
	LinearTech	LT1080	
		LT1081	
TSC25C25	Unitrode	UC2525	
TSC25C27	Unitrode	UC2527	
TSC28C42	Unitrode	UC2842	
TSC28C43	Unitrode	UC2843	
TSC28C44	Unitrode	UC2844	
TSC28C45	Unitrode	UC1845	
TSC28C46	Unitrode	UC2846	
TSC35C25	Unitrode	UC3525	
TSC35C27	Unitrode	UC3527	
TSC38C42	Unitrode	UC3842	
TSC38C44	Unitrode	UC3844	
TSC38C45	Unitrode	UC3845	
TSC38C46	Unitrode	UC1846	
		UC3846	
TSC38C47	Unitrode	UC1847	
TSC4201	AD	SW01	
	Fujitsu	MB47201	
		MB47201P	
		MB47201PF	
TSC4202	AD	SW02	
	Fujitsu	MB47201	
		MB47201P	
		MB47201PF	
TSC4203	AD	SW06	
TSC426	Harris	ICL7667	
	Micrel	**MIC426**	**(3574)**
TSC427	Micrel	MIC427	
TSC428	Micrel	MIC428	
TSC441	AD	SW01	
TSC442	AD	SW02	
TSC4420	Micrel	MIC4420	
TSC4424	Micrel	MIC4424	
TSC4425	Micrel	MIC4425	
TSC4426	Micrel	MIC4426	
TSC4427	Micrel	MIC4427	
TSC4428	Micrel	MIC4428	
TSC4429	Micrel	MIC4429	
TSC443	AD	SW06	
TSC444	Unitrode	PIC7512	
TSC445	Unitrode	PIC7510	
		PIC7511	
TSC4465	Micrel	MIC4465	
TSC4466	Micrel	MIC4466	
TSC4467	Micrel	MIC4467	
TSC4468	Micrel	MIC4468	
TSC4469	Micrel	MIC4469	
TSC7106	Harris	ICL7106	
TSC7107	Harris	ICL7107	
TSC7109	Harris	ICL7109	
TSC7116	Harris	ICL7116	
TSC7117	Harris	ICL7117	
TSC7126	Harris	ICL7126	
	Samsung	KS7126	
TSC7129	Harris	ICL7129	
TSC7135	Harris	ICL7135	
	TI	ICL7135	
		TLC7135	
TSC7136	Harris	ICL7136	
TSC7211	Harris	ICL7137	
TSC7212	Harris	ICM7212	
TSC7650	Harris	ICL7650	
	LinearTech	LTC1050	
TSC7652	LinearTech	LTC1052	
		LTC7652	
TSC7660	Harris	ICL7660	
	LinearTech	LTC1044	
	Siliconix	SI7660	
TSC7662	Harris	ICL7662	
TSC805	Harris	ICL7149	
TSC810	Harris	ICL7116	
TSC815	Harris	ICL7149	
TSC825	Harris	ICL7182	
TSC8700	GEC Plessey	ZN427	
		ZN448	
TSC8701	GEC Plessey	ZN432	
		ZN501	
	TI	TLC1541	
TSC8703	GEC Plessey	ZN439	
		ZN448	
TSC8704	GEC Plessey	ZN432	
		ZN501	
	TI	TLC1541	
TSC911	LinearTech	LTC1050	
TSC913	LinearTech	LTC1051	
		LT1078	
TSC914	LinearTech	LTC1053	
		LT1079	
TSC918	LinearTech	LTC7652	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Teledyne Components (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
TSC9491	Harris	ICL8069	
	LinearTech	LM385	
		LT1004	
TSC9495	AD	REF02	
	LinearTech	LT1019	
		LT1021	
		REF02	
TSC9496	AD	SW01	
	LinearTech	LT1021	
		REF01	
TSC962	LinearTech	LTC1046	
1321	Elantec	EHA2620	
		EHA2625	
		EL2020	
		EL2030	
1322	Elantec	EHA2520	
		EHA2525	
		EL2020	
		EL2030	
1326	Elantec	EHA2600	
1339	Elantec	EHA2625	
1359	Elantec	ELH0033	
1460	**Apex**	**PA09**	**(3378)**
1461	**Apex**	**PA09**	**(3378)**
1468	**Apex**	**PA12**	**(3379)**
1480	**Apex**	**PA83**	**(3378)**
		PA84	**(3378)**
4780	Raytheon	RC4151	
4781	Raytheon	RC4152	
4782	Raytheon	RC4153	

Teledyne Philbrick

MN5240	MicroNet	MN5240	
TCPA09	**Apex**	**PA09**	**(3378)**
TPADC85	Burr-Brown	ADC85	
TPADC87	Burr-Brown	ADC87	
TPAD85	**Burr-Brown**	**ADC84**	**(3420)**
TPDAC80	MicroNet	DAC80	
TP0032	Elantec	ELH0032	
	National	LH0032	
TP0033	Elantec	ELH0033	
	National	LH0033	
TP1321	Harris	HA5195	
TP1322	Harris	HA2520	
TP1326	Harris	HA2600	
TP1332	Harris	HA2645	
TP1339	Harris	HA2620	
TP1341	Harris	HA2540	
TP1342	Harris	HA2539	
TP1344	Harris	HA5160	
TP1345	Harris	HA5162	
TP1346	Harris	HA5180	
TP4002	Burr-Brown	DAC701	
		DAC703	
		DAC71	
		DAC72	
TP4160	Burr-Brown	ADC10	
TP4855	**Burr-Brown**	**SHC803**	**(3420)**
TP4856	Harris	HA2420	
		HA2425	
TP4860	**Burr-Brown**	**SHC803**	**(3420)**
		SHC804	**(3420)**
TP4866	Harris	HA5320	
TP5210	MicroNet	MN5210	
TP5214	MicroNet	AD5214	
TP574A	MicroNet	MN574A	
1480	**Burr-Brown**	**3583**	**(3411)**
4860	Analogic	SHA2200	

Teltone

M8870	CMD Micro	CM8870	
M8880	CMD Micro	CM8880	
M8888	CMD Micro	CM8888	

Texas Instruments

µA2240	Exar	XR2240	
	Motorola	MC1455	
µA709	Motorola	MC1709	
	National	LM709	
µA723	Fujitsu	MB3752	
	Motorola	MC1723	
	National	LM723	
	SGS-Thomson		
		LM723	
	Signetics	µA723	
µA733	National	LM733	
	Signetics	µA733	

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Manufacturer Device	Replacement Source	Device	IC Master Page
µA741	Motorola	MC1741	
	National	LM741	
	NJR	NJM741	
	Panasonic	AN1741	
		AN6570	
	SGS-Thomson		
		µA741	
	Signetics	µA741	
		µA741C	
µA747	AD	OP04	
	Motorola	MC1747	
	National	LM747	
	Signetics	µA747	
		µA747C	
µA748	Motorola	MC1748	
	SGS-Thomson		
		µA748	
µA78L05	Motorola	MC78L05	
	National	LM78L05	
	Panasonic	AN78L05	
µA78L06	Panasonic	AN78L06	
µA78L08	Motorola	MC78L08	
		MC78L09	
	Panasonic	AN78L08	
µA78L09	National	LM78L09	
	Panasonic	AN78L09	
µA78L10	Panasonic	AN78L10	
µA78L12	Motorola	MC78L12	
	National	LM78L12	
	Panasonic	AN78L12	
µA78L15	Motorola	MC78L15	
	National	LM78L15	
	Panasonic	AN78L15	
µA78M05	Motorola	MC78M05	
	National	LM78M05	
	SGS-Thomson		
		L78M05	
µA78M06	Motorola	MC78M06	
	National	LM78M06	
	SGS-Thomson		
		L78M06	
µA78M08	Motorola	MC78M08	
	SGS-Thomson		
		L78M08	
µA78M12	Motorola	MC78M12	
	National	LM78M12	
	SGS-Thomson		
		L78M12	
µA78M15	Motorola	MC78M15	
	National	LM78M15	
	SGS-Thomson		
		L78M15	
µA78M20	Motorola	MC78M20	
µA78M24	Motorola	MC78M24	
	National	LM78M24	
	SGS-Thomson		
		L78M24	
µA7805	National	LM7805	
	SGS-Thomson		
		L7805	
	Unitrode	UC7805	
µA7806	Motorola	MC7808	
	National	LM7806	
	SGS-Thomson		
		L7806	
µA7808	Motorola	MC7808	
	National	LM7808	
	SGS-Thomson		
		L7808	
µA7812	Motorola	MC7812	
	National	LM7812	
	SGS-Thomson		
		L7812	
µA7815	National	LM7815	
	SGS-Thomson		
		L7815	
	Unitrode	UC7815	
µA7818	Motorola	MC7818	
	National	LM7818	
	SGS-Thomson		
		L7818	
µA7824	National	LM7824	
	SGS-Thomson		
		L7824	
µA79M05	Motorola	MC79M05	
	National	LM79M05	
µA79M06	Motorola	MC7906	
µA79M08	Motorola	MC79M08	
	National	LM79M08	
µA79M12	Motorola	MC79M12	
	National	LM79M12	
µA79M24	Motorola	MC7924	
µA7905	Motorola	MC7905	
	National	LM7905	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
µA7905			(Cont'd)
	SGS-Thomson		
		L7905	
	Unitrode	UC7905	
µA7906	Motorola	MC7906	
µA7908	Motorola	MC7908	
	National	LM7908	
	SGS-Thomson		
		L7908	
µA7912	Motorola	MC7912	
	National	LM7912	
	SGS-Thomson		
		L7912	
µA7915	Motorola	MC7915	
	National	LM7915	
	SGS-Thomson		
		L7915	
	Unitrode	UC7915	
µA7918	Motorola	MC7918	
	SGS-Thomson		
		L7918	
µA7924	Motorola	MC7924	
	SGS-Thomson		
		L7924	
µA7952	SGS-Thomson		
		L7952	
µA9636	Motorola	MC3488	
	National	µA9636	
		DS9636	
♦ µA9637	Rochester	µA9637	
	Motorola	MC3486	
	National	µA9637	
		DS9637	
♦ µA9638	Rochester	µA9638	
	Motorola	MC3487	
	National	µA9638	
		DS9638	
µA9639	National	µA9639	
		DS9639	
ACT2140	Vitelic	V63C328	
ACT29116	AMD	AM29C116	
ADC0801	GEC Plessey	ZN447	
	National	ADC0801	
ADC0802	GEC Plessey	ZN448	
	National	ADC0802	
ADC0803	GEC Plessey	ZN448	
	Harris	ADC0803	
	National	ADC0803	
	Signetics	ADC0803	
ADC0804	GEC Plessey	ZN449	
	Harris	ADC0804	
	National	ADC0804	
	Samsung	KAD0804	
	Signetics	ADC0804	
ADC0805	GEC Plessey	ZN449	
	National	ADC0805	
	Signetics	ADC0805	
ADC0808	GEC Plessey	ZN437	
	MicroLinear	ML2258	
	National	ADC0808	
	Samsung	KAD0808	
ADC0809	GEC Plessey	ZN437	
	MicroLinear	ML2258	
	National	ADC0809	
	Samsung	KAD0809	
ADC0816	Samsung	KAD0816	
ADC0817	Samsung	KAD0817	
ADC0820	Crystal	CS7280	
	Samsung	KAD0820	
ADC0831	GEC Plessey	ZN509	
	MicroLinear	ML2281	
	National	ADC0831	
ADC0832	MicroLinear	ML2282	
	National	ADC0832	
ADC0834	MicroLinear	ML2284	
	National	ADC0834	
ADC0838	MicroLinear	ML2288	
	National	ADC0838	
AM26LS31	AMD	AM26LS31	
	National	DS26LS31	
	Signetics	AM26LS31	
AM26LS32	AMD	AM26LS32	
	National	DS26LS32	
	Signetics	AM26LS32	
AM26LS33	AMD	AM26LS33	
	National	DS26LS33	
AM26S10	AMD	AM26S10	
	National	DS26S10	
AM26S11	AMD	AM26S11	
	National	DS26S11	
CF1400	Micro-C	14000	
CF72105	Micro-C	72105	
CF72106	Micro-C	72106	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
DS3680	National	DS3680	
DS8820	National	DS8820	
DS8830	National	DS8830	
DS8831	National	DS8831	
DS8832	National	DS8832	
EP330	Lattice	GAL16V8	
		GAL18V10	
LF351	Motorola	MC34001	
LF353	Motorola	MC34002	
LF412	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
♦ LM101	Rochester	LM101	
	AD	OP77	
	LinearTech	LM101	
	SiliconG	SG101	
♦ LM106	Rochester	LM106	
LM107	LinearTech	LM107	
	SiliconG	SG107	
LM108	LinearTech	LM108	
♦ LM111	Rochester	LM111	
	LinearTech	LM111	
		LT1011	
		LT111	
♦ LM111	Signetics	LM111	
	SiliconG	SG111	
LM118	Motorola	MC1741	
LM124	AD	OP11	
		OP421	
	LinearTech	LT1014	
	Motorola	LM124	
	Raytheon	LM124	
	SGS-Thomson		
		LM124	
	Signetics	LM124	
LM13600	NJR	NJM13600	
LM137	SiliconG	SG137	
LM13700	NJR	NJM13700	
LM139	AD	PM139	
	Raytheon	LM139	
	SGS-Thomson		
		LM139	
LM148	**AD**	**PM148**	**(3342)**
	LinearTech	LT1014	
	SGS-Thomson		
		LM148	
LM158	**AD**	**OP14**	**(3343)**
		OP290	
	LinearTech	LT1013	
	Motorola	LM158	
	SGS-Thomson		
		LM158	
	Signetics	SE532	
LM185	LinearTech	LM185	
LM193	Motorola	LM193	
	SGS-Thomson		
		LM193	
LM201	AD	OP177	
	Motorola	LM201	
	SGS-Thomson		
		LM201	
LM207	AD	OP177	
	SiliconG	SG207	
LM211	SGS-Thomson		
		LM211	
	Signetics	LM211	
	SiliconG	SG211	
LM217	SiliconG	SG217	
LM218	Motorola	MC1741	
LM224	AD	OP421	
	Motorola	LM224	
	SGS-Thomson		
		LM224	
	Signetics	LM224	
		SA354	
	SiliconG	SG224	
LM237	SiliconG	SG237	
LM239	Motorola	LM239	
	SGS-Thomson		
		LM239	
	Signetics	LM239	
		LM239A	
LM248	AD	OP421	
	SGS-Thomson		
		LM248	
LM258	AD	OP221	
	Motorola	LM258	
	SGS-Thomson		
		LM258	
	Signetics	LM258	
		SA532	
LM2900	NJR	NJM2900	
LM2901	Motorola	LM2901	
	NJR	NJM2901	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Texas Instruments (Cont'd)			
LM2901			(Cont'd)
	SGS-Thomson		
		LM2901	
	Signetics	LM2901	
LM2902	AD	OP421	
	Motorola	LM2902	
	NJR	NJM2902	
	SGS-Thomson		
		LM2902	
	Signetics	LM2902	
		SA534	
LM2903	Motorola	LM2903	
	NJR	NJM2903	
	SGS-Thomson		
		LM2903	
	Signetics	LM2903	
LM2904	AnalogSys	MA336	
		MA372	
	Motorola	LM2904	
	NJR	**NJM2904**	**(3594)**
	SGS-Thomson		
		LM2904	
	Signetics	LM2904	
LM293	Motorola	LM293	
	SGS-Thomson		
		LM293	
	Signetics	LM293	
LM293A	Signetics	LM293	
LM301	AD	OP177	
	AnalogSys	MA332	
		MA333	
		MA362	
	Motorola	LM301	
	SGS-Thomson		
		LM301	
LM301A	Raytheon	LM301A	
♦ LM306	Rochester	LM306	
♦ LM307	Rochester	LM307	
	AD	OP177	
	AnalogSys	MA332	
		MA333	
		MA362	
♦ LM307	Motorola	LM307	
LM308	AD	PM1008	
		PM308	
♦ LM311	Rochester	LM311	
	LinearTech	LM311	
		LT1011	
		LT311	
♦ LM311	Motorola	LM311	
	NJR	NJM311	
	Panasonic	AN1311	
	SGS-Thomson		
		LM311	
	Signetics	LM311	
LM317	LinearTech	LM317	
	Motorola	LM317	
	National	LM317	
	Unitrode	UC317	
LM318	AnalogSys	MA332	
		MA362	
	LinearTech	LM318	
		LT318	
	Motorola	MC1741	
	NJR	**NJM318**	**(3594)**
	SGS-Thomson		
		LM318	
LM323	LinearTech	LM323	
		LT323	
LM324	AD	OP11	
		OP421	
	Motorola	LM324	
	NJR	NJM324	
	Panasonic	AN1324	
		AN6564	
	Raytheon	LM324	
	SGS-Thomson		
		LM324	
	Signetics	LM324	
		LM324A	
LM3302	AD	CMP04	
	Motorola	MC3302	
	SGS-Thomson		
		MC3302	
LM337	Motorola	LM337	
	SGS-Thomson		
		LM337	
	Unitrode	UC337	
LM339	Fujitsu	MB4204	
		MB4204M	
		MB4204PF	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
LM339			(Cont'd)
	Motorola	LM339	
	NJR	NJM2901	
	Raytheon	LM339	
	SGS-Thomson		
		LM339	
	Signetics	LM339	
LM340	Motorola	LM340	
		MC78L05	
		MC78L08	
		MC78L12	
		MC78L15	
		MC78L18	
		MC78L24	
		MC7808	
		MC7818	
LM348	AD	OP11	
		PM248	**(3342)**
	AnalogSys	MA374	
	Fujitsu	MB47358	
		MB47358P	
		MB47358PE	
	Raytheon	LM348	
		RC4156	
		RC4157	
	SGS-Thomson		
		LM348	
LM350	LinearTech	LM350	
		LT350	
LM358	AD	OP221	
	AnalogSys	MA336	
		MA372	
	Motorola	LM358	
	NJR	**NJM2904**	**(3594)**
	Panasonic	AN1358	
		AN6562	
	SGS-Thomson		
		LM358	
	Signetics	LM358	
		NE532	
LM358A	Signetics	NE532	
LM3900	NJR	NJM3900	
	Raytheon	LM3900	
LM393	Motorola	LM393	
	NJR	NJM2903	
	Panasonic	AN1393	
		AN6914	
	SGS-Thomson		
		LM393	
	Signetics	LM393	
		LM393A	
LM393A	Signetics	LM393A	
LM4250	Panasonic	AN4250	
LM607	AD	OP177	
LM748	SiliconG	SG201	
LM833	Panasonic	AN1883	
LTC1044	LinearTech	LTC1044	
LTC1052	LinearTech	LTC1052	
LT1001	AD	OP177	
		OP77	
LT1004	LinearTech	LT1004	
LT1007	AD	OP27	
	LinearTech	LT1007	
LT1008	AD	PM1008	
	LinearTech	LT1008	
LT1009	LinearTech	LT1009	
LT1011	LinearTech	LT1011	
LT1012	AD	PM1012	
LT1013	LinearTech	LT1013	
LT1016	LinearTech	LT1016	
LT1028	LinearTech	LT1028	
LT1037	AD	OP37	
	LinearTech	LT1037	
LT1054	Unitrode	LT1054	
		UC1054	
LT1070	LinearTech	LT1070	
L298	Allegro		
	Micro	UDN2993	
	Unitrode	L298	
MC1456	Elantec	EHA2605	
MC1458	**AD**	**OP14**	**(3343)**
	AnalogSys	MA336	
		MA372	
	NJR	NJM1458	
	Panasonic	AN1458	
		AN6572	
	SGS-Thomson		
		MC1458	
	Signetics	MC1458	
MC1488	National	DS1488	
	Signetics	MC1488	
MC1489	National	DS1489	
	Signetics	MC1489	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
MC1556	Elantec	EHA2600	
MC1558	LinearTech	LT1013	
	SGS-Thomson		
		MC1558	
MC3303	AD	OP421	
	Fujitsu	MB3615	
		MB3615M	
		MB3615PF	
	SGS-Thomson		
		MC3303	
MC3403	AD	OP421	
	AnalogSys	MA374	
	NJR	NJM3403	
	Raytheon	RC3403A	
	SGS-Thomson		
		MC3403	
MC3486	National	DS3486	
MC3487	National	DS3487	
MC3503	SGS-Thomson		
		MC3503	
MC79L05	National	LM79L05	
MC79L12	National	LM79L12	
MC79L15	National	LM79L15	
MP5501	Raytheon	REF01	
MP5502	Raytheon	REF-02	
M5228	Panasonic	NJM4741	
NE5532	AD	OP270	
		SSM2139	**(3337, 3343, 3354)**
	AnalogSys	MA372	
	Exar	XR5532	
	NJR	NJM5532	
	Raytheon	RC5532	
	Signetics	NE5532	
NE5533	Signetics	NE5533	
NE5533A	Signetics	NE5533	
NE5534	AD	OP37	
		SSM2134	**(3354)**
	AnalogSys	MA332	
		MA362	
	Exar	XR5534	
	NJR	NJM5534	
	Raytheon	RC5534	
		RC5534A	
	Signetics	NE5534	
NE555	Samsung	NE556	
	SGS-Thomson		
		NE555	
	Signetics	NE555	
NE556	SGS-Thomson		
		NE556	
	Signetics	NE556	
NE592	Signetics	NE592	
♦ NS54185	Rochester	54185	
N74130	Micro-C	74130	
N8T13	National	DS75121	
N8T23	National	DS75123	
N8T24	National	DS75124	
N8T26	National	DS8T26	
OP07	AD	OP07	
	LinearTech	LT1001	
		OP07	
	NJR	NJMOP07	
OP177	AD	OP177	
OP215	AD	OP215	
OP27	AD	OP27	
	LinearTech	LT1007	
		OP27	
	Motorola	OP27	
OP290	AD	OP290	
OP37	AD	OP37	
	LinearTech	LT1037	
		OP37	
OP420	AD	OP420	
PAL12L10	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
PAL14L4	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
PAL16L6	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
PAL16L8	AMD	AMPAL16L8	
	ICT	PEEL18CV8	
	Samsung	CPL16L8	
PAL16RP4	ICT	PEEL18CV8	
PAL16RP6	ICT	PEEL18CV8	
PAL16RP8	ICT	PEEL18CV8	
PAL16R4	ICT	PEEL18CV8	
	Samsung	CPL16R4	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
PAL16R6	AMD	AMPAL16R6	
	ICT	PEEL18CV8	
	Samsung	CPL16R6	
PAL16R8	ICT	PEEL18CV8	
	Samsung	CPL16R8	
PAL18L4	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
PAL18P8	ICT	PEEL18CV8	
PAL20L2	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
PAL20L8	ICT	PEEL173	
		PEEL20CG10	
		PEEL273	
	Samsung	CPL20L8	
PAL20R4	ICT	PEEL20CG10	
	Samsung	CPL20R4	
PAL20R6	ICT	PEEL20CG10	
	Samsung	CPL20R6	
PAL20R8	ICT	PEEL20CG10	
	Samsung	CPL20R8	
PAL22V10	AMD	AMPAL22V10	
PM248	**AD**	**PM248**	**(3342)**
Q2T2222	Allegro		
	Micro	TPQ2222	
Q2T3725	Allegro		
	Micro	TPQ3725	
RC4136	AD	OP09	
	Exar	XR4136	
	Raytheon	RC4136	
RC4558	AD	OP270	
	AnalogSys	MA336	
		MA372	
	National	LM833	
	NJR	**NJM4558**	**(3594)**
	Panasonic	AN4558	
		AN6552	
	Raytheon	RC4558	
	SGS-Thomson		
		MC4558	
RC4559	AD	OP270	
	AnalogSys	MA336	
		MA372	
	Raytheon	RC4559	
RM4136	AD	OP09	
RM4558	AD	OP270	
RV4558	SGS-Thomson		
		MC4558	
RV74558	AD	OP270	
SA555	SGS-Thomson		
		SA555	
SA556	SGS-Thomson		
		SA556	
	Signetics	SA556	
SE5534	AD	OP37	
	Signetics	SE5534	
SE555	Signetics	SE555	
SE556	SGS-Thomson		
		SE556	
	Signetics	SE556	
SG1524	LinearTech	LT1524	
		SG1524	
	SiliconG	SG1524	
SG2524	SiliconG	SG2524	
	Unitrode	UC2524	
SG2525	Unitrode	UC2525	
SG2527	Unitrode	UC2527	
SG3524	LinearTech	LT3524	
		SG3524	
	Signetics	SG3524	
SG3525	LinearTech	LT3525	
		SG3525	
	Unitrode	UC3525	
SG3527	Unitrode	UC3527	
SMJ27C128	AMD	AM27C128	
	Microchip	27C128	
	Waferscale	WS27C128	
SMJ27C256	Microchip	27C256	
	Waferscale	WS27C256	
SMJ27C291	Microchip	27HC291	
SMJ27C49	Microchip	27HC64	
		27HC641	
SMJ27C512	Microchip	27C512	
	Waferscale	WS27C512	
SMJ27128	Microchip	27C128	
SMJ2764	Microchip	27C64	
SMJ320C10	Microchip	DSP320C10	
SMJ32010	Microchip	DSP32010	
SMJ61CD64	Toshiba	TC5561	
SMJ61CD74	Toshiba	TC5562	
SMJ64C256	Toshiba	TC55464	
SMJ64C64	Toshiba	TC55416	
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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Texas Instruments (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
SMJ68CE256	Toshiba	TC55328	
SMJ68CE288	Toshiba	TC55329	
SMJ68CE64	Toshiba	TC5588	
SMJ69CE72	Toshiba	TC5589	
SNJ54BCT240			
	IDT	IDT54FCT240	
SNJ54BCT241			
	IDT	IDT54FCT241	
SNJ54BCT244			
	IDT	IDT54FCT244	
SNJ54BCT245			
	IDT	IDT54FCT245	
SNJ54BCT373			
	IDT	IDT54FCT373	
SNJ54BCT374			
	IDT	IDT54FCT374	
SNJ55188	SiliconG	SG1488	
SNJ55189	SiliconG	SG1489	
SNJ55234	SiliconG	SG55234	
SNJ55236	SiliconG	SG55235	
		SG55236	
SNJ5524	SiliconG	SG5524	
SNJ55325	SiliconG	SG55325	
SNJ55326	SiliconG	SG55326	
SNJ55450	SiliconG	SG55450	
SNJ55451	SiliconG	SG55451	
SNJ55452	SiliconG	SG55452	
SNJ55453	SiliconG	SG55453	
SNJ55454	SiliconG	SG55454	
SNJ55460	SiliconG	SG55460	
SNJ55461	SiliconG	SG55461	
SNJ55462	SiliconG	SG55462	
SNJ55463	SiliconG	SG55463	
SNJ55464	SiliconG	SG55464	
SNJ55470	SiliconG	SG55470	
SNJ55471	SiliconG	SG55471	
SNJ55472	SiliconG	SG55472	
SNJ55473	SiliconG	SG55473	
SNJ55474	SiliconG	SG55474	
SN10016	Cypress	CY100E301	
♦ SN14941	Lansdale	ML941	
♦ SN151800	Lansdale	ML1800	
♦ SN151801	Lansdale	ML1801	
♦ SN151802	Lansdale	ML1802	
♦ SN151803	Lansdale	ML1803	
		ML1903	
♦ SN151805	Lansdale	ML1805	
♦ SN151806	Lansdale	ML1806	
♦ SN151807	Lansdale	ML1807	
♦ SN151808	Lansdale	ML1808	
♦ SN151809	Lansdale	ML1809	
♦ SN151810	Lansdale	ML1810	
♦ SN151811	Lansdale	ML1811	
♦ SN151812	Lansdale	ML1812	
♦ SN151900	Lansdale	ML1900	
♦ SN151901	Lansdale	ML1901	
♦ SN151902	Lansdale	ML1902	
♦ SN151904	Lansdale	ML1904	
♦ SN151905	Lansdale	ML1905	
♦ SN151906	Lansdale	ML1906	
♦ SN151907	Lansdale	ML1907	
♦ SN151908	Lansdale	ML1908	
♦ SN151909	Lansdale	ML1909	
♦ SN151910	Lansdale	ML1910	
♦ SN151911	Lansdale	ML1911	
♦ SN151912	Lansdale	ML1912	
♦ SN158093	Lansdale	ML853	
	Rochester	9093	
♦ SN158094	Lansdale	ML856	
	Rochester	9094	
♦ SN158097	Lansdale	ML855	
	Rochester	9097	
♦ SN158099	Lansdale	ML852	
	Rochester	9099	
♦ SN15830	Lansdale	ML830	
	Rochester	930	
♦ SN15831	Lansdale	ML831	
♦ SN15832	Lansdale	ML832	
	Rochester	932	
♦ SN15833	Lansdale	ML833	
	Rochester	933	
♦ SN15834	Lansdale	ML834	
♦ SN15835	Lansdale	ML840	
	Rochester	935	
♦ SN15836	Lansdale	ML836	
	Rochester	936	
♦ SN15837	Lansdale	ML837	
	Rochester	937	
♦ SN15838	Lansdale	ML835	
♦ SN15841	Lansdale	ML841	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ SN15844	Lansdale	ML844	
	Rochester	944	
♦ SN15845	Lansdale	ML845	
	Rochester	945	
♦ SN15846	Lansdale	ML846	
	Rochester	946	
♦ SN15848	Lansdale	ML848	
♦ SN15849	Lansdale	ML849	
	Rochester	949	
♦ SN15850	Lansdale	ML850	
	Rochester	950	
♦ SN15851	Lansdale	ML851	
	Rochester	951	
♦ SN15857	Lansdale	ML857	
♦ SN15858	Lansdale	ML858	
♦ SN15861	Lansdale	ML861	
	Rochester	961	
♦ SN15862	Lansdale	ML862	
	Rochester	962	
♦ SN15863	Lansdale	ML863	
	Rochester	963	
♦ SN159093	Lansdale	ML953	
	Rochester	9093	
♦ SN159094	Lansdale	ML956	
	Rochester	9094	
♦ SN159097	Lansdale	ML955	
	Rochester	9097	
♦ SN159099	Lansdale	ML952	
	Rochester	9099	
♦ SN15930	Lansdale	ML930	
	Rochester	930	
♦ SN15931	Lansdale	ML931	
♦ SN15932	Lansdale	ML932	
	Rochester	932	
♦ SN15933	Lansdale	ML933	
	Rochester	933	
♦ SN15934	Lansdale	ML934	
♦ SN15935	Lansdale	ML940	
	Rochester	935	
♦ SN15936	Lansdale	ML936	
	Rochester	936	
♦ SN15937	Lansdale	ML937	
	Rochester	937	
♦ SN15938	Lansdale	ML935	
♦ SN15944	Lansdale	ML944	
	Rochester	944	
♦ SN15945	Lansdale	ML945	
	Rochester	945	
♦ SN15946	Lansdale	ML946	
	Rochester	946	
♦ SN15948	Lansdale	ML948	
♦ SN15949	Lansdale	ML949	
	Rochester	949	
♦ SN15950	Lansdale	ML950	
	Rochester	950	
		951	
♦ SN15951	Lansdale	ML951	
♦ SN15957	Lansdale	ML957	
♦ SN15958	Lansdale	ML958	
♦ SN15961	Lansdale	ML961	
	Rochester	961	
♦ SN15962	Lansdale	ML962	
	Rochester	962	
♦ SN15963	Lansdale	ML963	
	Rochester	963	
♦ SN29000	Rochester	9000	
♦ SN29001	Rochester	9001	
♦ SN29003	Rochester	9003	
♦ SN29004	Rochester	9004	
♦ SN29005	Rochester	9005	
♦ SN29007	Rochester	9007	
♦ SN29008	Rochester	9008	
♦ SN29009	Rochester	9009	
♦ SN29012	Rochester	9012	
♦ SN29016	Rochester	9016	
♦ SN29024	Rochester	9024	
♦ SN51804	Lansdale	ML1804	
SN52101	Motorola	LM101	
SN52104	Motorola	LM101	
SN52107	Motorola	MC1741	
SN52109	Motorola	LM109	
♦ SN52710	Lansdale	ML1710	
SN54ALS11A	National	DM54ALS11	
SN54ALS165	National	DM54ALS165	
SN54ALS174	National	DM54ALS174	
SN54ALS234	IDT	IDT72403	
SN54ALS235	IDT	IDT72413	
SN54ALS236	IDT	IDT72401	
SN54AS240	National	DM54AS240	
SN54AS573	TI	SN54AS573A	
SN54AS573A	TI	SN54AS573	

Manufacturer Device	Replacement Source	Device	IC Master Page
SN54F00	Motorola	MC54F00	
	National	54F00	
	Signetics	54F00	
SN54F02	Motorola	MC54F02	
	National	54F02	
SN54F04	Motorola	MC54F04	
	National	54F04	
	Signetics	54F04	
SN54F10	Motorola	MC54F10	
	National	54F10	
SN54F109	Motorola	MC54F109	
	National	54F109	
SN54F11	Motorola	MC54F11	
	National	54F11	
SN54F112	Motorola	MC54F112	
	National	54F112	
SN54F113	National	54F113	
SN54F114	National	54F114	
SN54F138	Motorola	MC54F138	
	National	54F138	
SN54F151	Motorola	MC54F151	
	National	54F151	
SN54F153	Motorola	MC54F153	
	National	54F153	
SN54F157A	Motorola	MC54F157	
	National	54F157	
	Signetics	54F157	
SN54F158A	Motorola	MC54F158	
	National	54F158	
	Signetics	54F158	
SN54F160A	National	54F160A	
SN54F161A	National	54F161A	
SN54F162A	National	54F162A	
SN54F163A	National	54F163A	
SN54F168	Motorola	MC54F168	
	National	54F168	
SN54F169	Motorola	MC54F169	
	National	54F169	
SN54F174	Motorola	MC54F174	
	National	54F174	
SN54F175	Motorola	MC54F175	
	National	54F175	
SN54F20	Motorola	MC54F20	
	National	54F20	
	Signetics	54F20	
SN54F21	Motorola	MC54F21	
SN54F240	National	54F240	
	Signetics	54F240	
SN54F241	Motorola	MC54F241	
	National	54F241	
	Signetics	54F241	
SN54F242	Motorola	MC54F242	
	National	54F242	
	Signetics	54F242	
SN54F243	Motorola	MC54F243	
	National	54F243	
	Signetics	54F243	
SN54F244	Motorola	MC54F244	
	National	54F244	
	Signetics	54F244	
SN54F245	Motorola	MC54F245	
	National	54F245	
	Signetics	54F245	
SN54F251	Motorola	MC54F251	
	National	54F251A	
SN54F253	Motorola	MC54F253	
	National	54F253	
SN54F257	Motorola	MC54F257	
	National	54F257	
	Signetics	54F257	
SN54F258	Motorola	MC54F258	
	National	54F258	
	Signetics	54F258	
SN54F27	National	54F27	
SN54F273	National	54F273	
	Signetics	54F273	
SN54F280B	Motorola	MC54F280	
	National	54F280	
	Signetics	54F280	
SN54F283	Motorola	MC54F283	
	National	54F283	
SN54F299	Motorola	MC54F299	
SN54F30	National	54F30	
SN54F32	Motorola	MC54F32	
	National	54F32	
SN54F350	Motorola	MC54F350	
	National	54F350	
SN54F352	Motorola	MC54F352	
	National	54F352	
SN54F353	Motorola	MC54F353	
	National	54F353	
SN54F37	National	54F37	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN54F373	Motorola	MC54F373	
	National	54F373	
	Signetics	54F373	
SN54F374	Motorola	MC54F374	
	National	54F374	
	Signetics	54F374	
SN54F379	Motorola	MC54F379	
	National	54F379	
SN54F38	National	54F38	
SN54F381	Motorola	MC54F381	
	National	54F381	
SN54F382	Motorola	MC54F382	
	National	54F382	
SN54F40	National	54F40	
SN54F51	Motorola	MC54F51	
	National	54F51	
SN54F521	Motorola	MC54F521	
	National	54F521	
	Signetics	54F521	
SN54F533	Motorola	MC54F533	
	National	54F533	
	Signetics	54F533	
SN54F534	Motorola	MC54F534	
	National	54F534	
	Signetics	54F534	
SN54F543	National	54F543	
SN54F544	National	54F544	
SN54F563	National	54F563	
SN54F573	National	54F573	
SN54F574	National	54F574	
SN54F620	National	54F620	
	Signetics	54F620	
SN54F623	National	54F623	
SN54F64	Motorola	MC54F64	
	National	54F64	
	Signetics	54F64	
SN54F74	Motorola	MC54F74	
	National	54F74	
SN54HCT04	Harris	CD54HCT04	
	Motorola	MC54HCT04A	
	National	MM54HCT04	
SN54HCT137	GEC Plessey	54HCT137SOS	
	Harris	CD54HCT137	
SN54HCT138	GEC Plessey	54HCT138SOS	
	Harris	CD54HCT138	
	Motorola	MC54HCT138A	
	National	MM54HCT138	
SN54HCT189	Cypress	CY7C189	
SN54HCT237	GEC Plessey	54HCT237SOS	
	Harris	CD54HCT237	
SN54HCT238	GEC Plessey	54HCT238SOS	
	Harris	CD54HCT238	
SN54HCT240	GEC Plessey	54HCT240SOS	
	Harris	CD54HCT240	
	Motorola	MC54HCT240A	
	National	MM54HCT240	
	Signetics	54HCT240	
SN54HCT241	GEC Plessey	54HCT241SOS	
	Harris	CD54HCT241	
	Motorola	MC54HCT241A	
	National	MM54HCT241	
SN54HCT244	GEC Plessey	54HCT244SOS	
	Harris	CD54HCT244	
	Motorola	MC54HCT244A	
	National	MM54HCT244	
	Signetics	54HCT244	
SN54HCT245	GEC Plessey	54HCT245SOS	
	Harris	CD54HCT245	
	Motorola	MC54HCT245A	
	National	MM54HCT245	
SN54HCT373	GEC Plessey	54HCT373SOS	
	Harris	CD54HCT373	
	Motorola	MC54HCT373A	
	National	MM54HCT373	
SN54HCT374	GEC Plessey	54HCT374SOS	
	Harris	CD54HCT374	
	Motorola	MC54HCT374A	
	National	MM54HCT374	
♦ SN54HCT534	GEC Plessey	54HCT534SOS	
	Harris	CD54HCT534	
	Motorola	MC54HCT534A	
	National	MM54HCT534	
SN54HCT540	GEC Plessey	54HCT540SOS	
	Harris	CD54HCT540	
	Motorola	MC54HCT540	
	National	MM54HCT540	
SN54HCT541	GEC Plessey	54HCT541SOS	
	Harris	CD54HCT541	
	National	MM54HCT541	
SN54HC00	Harris	CD54HC00	
	Motorola	MC54HC00A	
	National	MM54HC00	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Texas Instruments (Cont'd)			
SN54HC02	Harris	CD54HC02	
	Motorola	MC54HC02A	
	National	MM54HC02	
SN54HC03	Harris	CD54HC03	
	Motorola	MC54HC03A	
	National	MM54HC03	
SN54HC04	Harris	CD54HC04	
	National	MM54HC04	
SN54HC05	National	MM54HC05	
SN54HC08	Harris	CD54HC08	
	Motorola	MC54HC08A	
	National	MM54HC08	
SN54HC10	Harris	CD54HC10	
	Motorola	MC54HC10	
	National	MM54HC10	
SN54HC107	Harris	CD54HC107	
	Motorola	MC54HC107	
	National	MM54HC107	
SN54HC109	Harris	CD54HC109	
	Motorola	MC54HC109	
	National	MM54HC109	
SN54HC11	Harris	CD54HC11	
	Motorola	MC54HC11	
	National	MM54HC11	
SN54HC112	Harris	CD54HC112	
	Motorola	MC54HC112	
	National	MM54HC112	
SN54HC113	Motorola	MC54HC113	
	National	MM54HC113	
SN54HC125	Harris	CD54HC125	
	Motorola	MC54HC125A	
	National	MM54HC125	
SN54HC126	Harris	CD54HC126	
	Motorola	MC54HC126A	
	National	MM54HC126	
SN54HC132	Harris	CD54HC132	
	Motorola	MC54HC132A	
	National	MM54HC132	
SN54HC133	Motorola	MC54HC133	
	National	MM54HC133	
SN54HC137	Harris	CD54HC137	
	Motorola	MC54HC137	
	National	MM54HC137	
SN54HC138	Harris	CD54HC138	
	Motorola	MC54HC138A	
	National	MM54HC138	
SN54HC139	Harris	CD54HC139	
	Motorola	MC54HC139A	
	National	MM54HC139	
SN54HC14	Harris	CD54HC14	
	Motorola	MC54HC14A	
	National	MM54HC14	
SN54HC148	National	MM54HC148	
SN54HC151	Harris	CD54HC151	
	Motorola	MC54HC151	
	National	MM54HC151	
SN54HC153	Harris	CD54HC153	
	Motorola	MC54HC153	
	National	MM54HC153	
SN54HC157	Harris	CD54HC157	
	Motorola	MC54HC157A	
	National	MM54HC157	
SN54HC158	Harris	CD54HC158	
	National	MM54HC158	
SN54HC160	Harris	CD54HC160	
	Motorola	MC54HC160	
	National	MM54HC160	
SN54HC161	Harris	CD54HC161	
	National	MM54HC161	
SN54HC163	Harris	CD54HC163	
	National	MM54HC163	
SN54HC164	Harris	CD54HC164	
	Motorola	MC54HC164	
	National	MM54HC164	
SN54HC165	Harris	CD54HC165	
	Motorola	MC54HC165	
	National	MM54HC165	
SN54HC166	Harris	CD54HC166	
	National	MM54HC166	
SN54HC173	Harris	CD54HC173	
	Motorola	MC54HC173	
	National	MM54HC173	
SN54HC174	Harris	CD54HC174	
	Motorola	MC54HC174A	
	National	MM54HC174	
SN54HC175	Harris	CD54HC175	
	Motorola	MC54HC175	
	National	MM54HC175	
SN54HC189	Cypress	CY7C189	
SN54HC190	Harris	CD54HC190	
	National	MM54HC190	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN54HC191	Harris	CD54HC191	
	National	MM54HC191	
SN54HC192	Harris	CD54HC192	
	National	MM54HC192	
SN54HC193	Harris	CD54HC193	
	National	MM54HC193	
SN54HC194	Harris	CD54HC194	
	Motorola	MC54HC194	
	National	MM54HC194	
SN54HC195	Harris	CD54HC195	
	Motorola	MC54HC195	
	National	MM54HC195	
SN54HC20	Harris	CD54HC20	
	Motorola	MC54HC20	
	National	MM54HC20	
SN54HC21	Harris	CD54HC21	
SN54HC237	Harris	CD54HC237	
	Motorola	MC54HC237	
	National	MM54HC237	
SN54HC238	Harris	CD54HC238	
SN54HC240	Harris	CD54HC240	
	Motorola	MC54HC240A	
	National	MM54HC240	
	Signetics	54HC240	
SN54HC241	Harris	CD54HC241	
	Motorola	MC54HC241A	
	National	MM54HC241	
SN54HC242	Harris	CD54HC242	
	Motorola	MC54HC242	
	National	MM54HC242	
SN54HC243	Harris	CD54HC243	
	National	MM54HC243	
SN54HC244	Harris	CD54HC244	
	Motorola	MC54HC244A	
	National	MM54HC244	
	Signetics	54HC244	
SN54HC245	Harris	CD54HC245	
	National	MM54HC245	
		MM54HC245A	
SN54HC251	Harris	CD54HC251	
	Motorola	MC54HC251	
	National	MM54HC251	
SN54HC253	Harris	CD54HC253	
	Motorola	MC54HC253	
	National	MM54HC253	
SN54HC257	Harris	CD54HC257	
	Motorola	MC54HC257	
	National	MM54HC257	
SN54HC258	Harris	CD54HC258	
	National	MM54HC258	
SN54HC259	Harris	CD54HC259	
	Motorola	MC54HC259	
	National	MM54HC259	
SN54HC266	Motorola	MC54HC266	
	National	MM54HC266	
SN54HC27	Harris	CD54HC27	
	Motorola	MC54HC27	
	National	MM54HC27	
SN54HC273	Harris	CD54HC273	
	Motorola	MC54HC273A	
	National	MM54HC273	
SN54HC280	Harris	CD54HC280	
	Motorola	MC54HC280	
	National	MM54HC280	
SN54HC30	Harris	CD54HC30	
	Motorola	MC54HC30	
	National	MM54HC30	
SN54HC32	Harris	CD54HC32	
	Motorola	MC54HC32A	
	National	MM54HC32	
♦ SN54HC354	Harris	CD54HC354	
	Motorola	MC54HC354	
	National	MM54HC354	
♦ SN54HC356	Harris	CD54HC356	
	National	MM54HC356	
SN54HC365	Harris	CD54HC365	
	Motorola	MC54HC365	
	National	MM54HC365	
SN54HC366	Harris	CD54HC366	
	Motorola	MC54HC366	
	National	MM54HC366	
SN54HC367	Harris	CD54HC367	
	Motorola	MC54HC367	
	National	MM54HC367	
SN54HC368	Harris	CD54HC368	
	Motorola	MC54HC368	
	National	MM54HC368	
SN54HC373	Harris	CD54HC373	
	Motorola	MC54HC373A	
	National	MM54HC373	
SN54HC374	Harris	CD54HC374	
	Motorola	MC54HC374A	
	National	MM54HC374	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN54HC377	Harris	CD54HC377	
SN54HC390	Harris	CD54HC390	
	Motorola	MC54HC390	
	National	MM54HC390	
SN54HC393	Harris	CD54HC393	
	Motorola	MC54HC393	
	National	MM54HC393	
SN54HC4002	Harris	CD54HC4002	
	Motorola	MC54HC4002	
	National	MM54HC4002	
SN54HC4016	Motorola	MC54HC4016	
	National	MM54HC4016	
SN54HC4020	Harris	CD54HC4020	
	National	MM54HC4020	
SN54HC4024	Harris	CD54HC4024	
	Motorola	MC54HC4024	
SN54HC4040	Harris	CD54HC4040	
	National	MM54HC4040	
♦ SN54HC4050	Harris	CD54HC4050	
	Motorola	MC54HC4050	
	National	MM54HC4050	
♦ SN54HC4053	Harris	CD54HC4053	
	Motorola	MC54HC4053	
	National	MM54HC4053	
SN54HC4066	Harris	CD54HC4066	
	Motorola	MC54HC4066	
	National	MM54HC4066	
SN54HC4075	Harris	CD54HC4075	
	Motorola	MC54HC4075	
	National	MM54HC4075	
SN54HC4078A			
	Motorola	MC54HC4078	
	National	MM54HC4078	
SN54HC42	Harris	CD54HC42	
	Motorola	MC54HC42	
	National	MM54HC42	
SN54HC51	Motorola	MC54HC51	
	National	MM54HC51	
SN54HC533	Harris	CD54HC533	
	Motorola	MC54HC533A	
	National	MM54HC533	
SN54HC534	Harris	CD54HC534	
	Motorola	MC54HC534A	
	National	MM54HC534	
SN54HC540	Harris	CD54HC540	
	Motorola	MC54HC540	
	National	MM54HC540	
SN54HC541	Harris	CD54HC541	
	Motorola	MC54HC541	
	National	MM54HC541	
SN54HC563	Harris	CD54HC563	
	Motorola	MC54HC563	
	National	MM54HC563	
SN54HC564	Harris	CD54HC564	
	Motorola	MC54HC564	
	National	MM54HC564	
SN54HC573	Harris	CD54HC573	
	Motorola	MC54HC573A	
	National	MM54HC573	
SN54HC574	Harris	CD54HC574	
	Motorola	MC54HC574A	
	National	MM54HC574	
♦ SN54HC589	Motorola	MC54HC589	
	National	MM54HC589	
SN54HC595	National	MM54HC595	
♦ SN54HC597	Harris	CD54HC597	
	Motorola	MC54HC597	
	National	MM54HC597	
SN54HC620	National	MM54HC620	
SN54HC623	National	MM54HC623	
SN54HC640	Harris	CD54HC640	
	Motorola	MC54HC640A	
	National	MM54HC640	
SN54HC643	Harris	CD54HC643	
	National	MM54HC643	
♦ SN54HC670	Harris	CD54HC670	
SN54HC688	Harris	CD54HC688	
	Motorola	MC54HC688	
	National	MM54HC688	
SN54HC74	Harris	CD54HC74	
	Motorola	MC54HC74A	
	National	MM54HC74	
SN54HC75	Harris	CD54HC75	
	Motorola	MC54HC75	
	National	MM54HC75	
SN54HC85A	Harris	CD54HC85	
	Motorola	MC54HC85	
	National	MM54HC85	
SN54HC86	Harris	CD54HC86	
	Motorola	MC54HC86	
	National	MM54HC86	
♦ SN54H00	Lansdale	ML54H00	
		SL54H00	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
♦ SN54H00	Rochester	54H00	
♦ SN54H01	Lansdale	ML54H01	
		SL54H01	
♦ SN54H01	Rochester	54H01	
♦ SN54H04	Lansdale	ML54H04	
	Rochester	54H04	
♦ SN54H05	Lansdale	ML54H05	
	Rochester	54H05	
♦ SN54H08	Lansdale	ML54H08	
		SL54H08	
♦ SN54H10	Lansdale	ML54H10	
		SL54H10	
♦ SN54H10	Rochester	54H10	
♦ SN54H101	Rochester	54H101	
♦ SN54H102	Rochester	54H102	
♦ SN54H103	Rochester	54H103	
♦ SN54H106	Rochester	54H106	
♦ SN54H108	Rochester	54H108	
♦ SN54H11	Rochester	54H11	
♦ SN54H183	Rochester	54H183	
♦ SN54H20	Lansdale	ML54H20	
		SL54H20	
♦ SN54H20	Rochester	54H20	
♦ SN54H21	Rochester	54H21	
♦ SN54H22	Lansdale	ML54H22	
		SL54H22	
♦ SN54H22	Rochester	54H22	
♦ SN54H30	Lansdale	ML54H30	
		SL54H30	
♦ SN54H30	Rochester	54H30	
♦ SN54H40	Lansdale	ML54H40	
		SL54H40	
♦ SN54H40	Rochester	54H40	
♦ SN54H50	Lansdale	ML54H50	
	Rochester	54H50	
♦ SN54H51	Lansdale	ML54H51	
	Rochester	54H51	
♦ SN54H52	Lansdale	ML54H52	
		SL54H52	
♦ SN54H52	Rochester	54H52	
♦ SN54H53	Lansdale	ML54H53	
		SL54H53	
♦ SN54H53	Rochester	54H53	
♦ SN54H54	Lansdale	ML54H54	
		SL54H54	
♦ SN54H54	Rochester	54H54	
♦ SN54H55	Lansdale	ML54H55	
		SL54H55	
♦ SN54H55	Rochester	54H55	
♦ SN54H60	Lansdale	ML54H60	
		ML54H61	
		SL54H60	
		SL54H61	
♦ SN54H60	Rochester	54H60	
♦ SN54H61	Rochester	54H61	
		54H62	
♦ SN54H62	Lansdale	ML54H62	
		SL54H62	
♦ SN54H71	Lansdale	ML54H71	
		SL54H71	
♦ SN54H71	Rochester	54H71	
♦ SN54H72	Lansdale	ML54H72	
		SL54H72	
♦ SN54H72	Rochester	54H72	
♦ SN54H73	Rochester	54H73	
♦ SN54H74	Lansdale	ML54H74	
		SL54H74	
♦ SN54H74	Rochester	54H74	
♦ SN54H76	Lansdale	ML54H76	
	Rochester	54H76	
♦ SN54H78	Rochester	54H78	
♦ SN54H87	Rochester	54H87	
SN54LS00	Motorola	SN54LS00	
	National	DM54LS00	
		54LS00	
	SGS-Thomson		
		T54LS00	
		54LS00	
	Signetics	54LS00	
SN54LS01	Motorola	SN54LS01	
	Signetics	54LS01	
SN54LS02	Motorola	SN54LS02	
	National	DM54LS02	
		54LS02	
	SGS-Thomson		
		T54LS02	
		54LS02	
	Signetics	54LS02	
SN54LS03	Motorola	SN54LS03	
	National	DM54LS03	
		54LS03	
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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Texas Instruments (Cont'd)			
SN54LS03			(Cont'd)
	SGS-Thomson	54LS03	
	Signetics	54LS03	
SN54LS04	Motorola	SN54LS04	
	National	DM54LS04	
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	SGS-Thomson	T54LS04	
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	Signetics	54LS04	
SN54LS05	Motorola	SN54LS05	
	National	DM54LS05	
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	SGS-Thomson	T54LS05A	
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SN54LS08	Motorola	SN54LS08	
	National	DM54LS08	
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	Signetics	54LS08	
SN54LS09	Motorola	SN54LS09	
	National	DM54LS09	
		54LS09	
	SGS-Thomson	T54LS09	
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	Signetics	54LS09	
SN54LS10	Motorola	SN54LS10	
	National	DM54LS10	
		54LS10	
	SGS-Thomson	T54LS10	
		54LS10	
	Signetics	54LS10	
SN54LS107A	Motorola	SN54LS107A	
	National	DM54LS107A	
	Signetics	54LS107	
SN54LS109A	Motorola	SN54LS109A	
	National	DM54LS109	
		54LS109	
	Signetics	54LS109	
SN54LS11	Motorola	SN54LS11	
	National	DM54LS11	
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	SGS-Thomson	T54LS11	
		54LS11	
	Signetics	54LS11	
SN54LS112A	Motorola	SN54LS112A	
	National	54LS112	
	Signetics	54LS112	
SN54LS114A	Motorola	SN54LS114A	
	National	54LS114	
	SGS-Thomson	T54LS114	
SN54LS12	Motorola	SN54LS12	
	National	DM54LS12	
SN54LS122	Motorola	SN54LS122	
SN54LS123	Motorola	SN54LS123	
SN54LS125A	Motorola	SN54LS125A	
	National	DM54LS125A	
		54LS125A	
	SGS-Thomson	54LS125A	
	Signetics	54LS125A	
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	National	54LS126	
	SGS-Thomson	54LS126	
	Signetics	54LS126A	
SN54LS13	Motorola	SN54LS13	
	National	54LS13	
	SGS-Thomson	T54LS13	
	Signetics	54LS13	
SN54LS132	Motorola	SN54LS132	
	National	DM54LS132	
	SGS-Thomson	T54LS132	
		54LS132	
	Signetics	54LS132	
		54LS132A	
SN54LS136	Motorola	SN54LS136	
	National	DM54LS136	
		54LS136	
	SGS-Thomson	T54LS136	
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	Signetics	54LS136	
SN54LS138	Motorola	SN54LS138	
	National	DM54LS138	
		54LS138	
	SGS-Thomson	T54LS138	
		54LS138	
	Signetics	54LS138	
SN54LS139A	Motorola	SN54LS139	
	National	DM54LS139	
		54LS139	
	SGS-Thomson	T54LS139	
		54LS139	
	Signetics	54LS139	
SN54LS14	Motorola	SN54LS14	
	National	54LS14	
	SGS-Thomson	T54LS14	
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	Signetics	54LS14	
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SN54LS15	Motorola	SN54LS15	
	National	54LS15	
	SGS-Thomson	T54LS15	
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SN54LS151	Motorola	SN54LS151	
	National	DM54LS151	
		54LS151	
	SGS-Thomson	T54LS151	
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	Signetics	54LS151	
SN54LS153	Motorola	SN54LS153	
	National	DM54LS153	
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	Signetics	54LS153	
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	National	DM54LS155	
		54LS155	
	SGS-Thomson	T54LS155	
		54LS155	
	Signetics	54LS155	
SN54LS156	Motorola	SN54LS156	
	National	DM54LS156	
		54LS156	
	SGS-Thomson	T54LS156	
		54LS156	
	Signetics	54LS156	
SN54LS157	Motorola	SN54LS157	
	National	DM54LS157	
		54LS157	
	SGS-Thomson	T54LS157	
		54LS157	
	Signetics	54LS157	
SN54LS158	Motorola	SN54LS158	
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	SGS-Thomson	T54LS158	
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	Signetics	54LS158	
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	National	54LS160A	
	Signetics	54LS160A	
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	National	DM54LS161A	
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	Signetics	54LS161A	
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	National	54LS162A	
	Signetics	54LS162A	
SN54LS163A	Motorola	SN54LS163A	
	National	DM54LS163A	
		54LS163A	
	Signetics	54LS163A	
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	National	DM54LS164	
		54LS164	
	Signetics	54LS164	
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SN54LS165A	Motorola	SN54LS165	
	National	54LS165	
	Rochester	54LS165A	
SN54LS166A	Motorola	SN54LS166	
SN54LS169B	Motorola	SN54LS169	
	National	DM54LS169A	
		54LS169	
	SGS-Thomson	T54LS169	
	Signetics	54LS169A	
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	National	54LS170	
	SGS-Thomson	T54LS170	
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	Signetics	54LS170	
SN54LS173A	Motorola	SN54LS173A	
	National	54LS173A	
	Signetics	54LS173	
SN54LS174	Motorola	SN54LS174	
	National	DM54LS174	
		54LS174	
	SGS-Thomson	T54LS174	
		54LS174	
	Signetics	54LS174	
SN54LS175	Motorola	SN54LS175	
	National	DM54LS175	
		54LS175	
	SGS-Thomson	T54LS175	
		54LS175	
	Signetics	54LS175	
SN54LS181	Motorola	SN54LS181	
	National	54LS181	
	Signetics	54LS181	
SN54LS189	Cypress	CY27LS03	
SN54LS190	Motorola	SN54LS190	
	National	DM54LS190	
	Signetics	54LS190	
SN54LS191	Motorola	SN54LS191	
	National	DM54LS191	
	Signetics	54LS191	
SN54LS192	Motorola	SN54LS192	
	National	54LS192	
	SGS-Thomson	T54LS192	
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	Signetics	54LS192	
SN54LS193	Motorola	SN54LS193	
	National	DM54LS193	
		54LS193	
	SGS-Thomson	T54LS193	
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	Signetics	54LS193	
SN54LS194A	Motorola	SN54LS194A	
	National	54LS194A	
	SGS-Thomson	T54LS194A	
	Signetics	54LS194A	
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	National	54LS195	
	SGS-Thomson	T54LS195A	
		54LS195A	
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SN54LS197	Motorola	SN54LS197	
	Signetics	54LS197	
SN54LS20	Motorola	SN54LS20	
	National	DM54LS20	
		54LS20	
	SGS-Thomson	T54LS20	
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	Signetics	54LS20	
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		54LS21	
	Signetics	54LS21	
SN54LS219	Cypress	CY7C190	
SN54LS22	Motorola	SN54LS22	
	National	54LS22	
	SGS-Thomson	T54LS22	
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SN54LS221	Motorola	SN54LS221	
	National	DM54LS221	
	Signetics	54LS221	
SN54LS240	Motorola	SN54LS240	
	National	DM54LS240	
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	SGS-Thomson	T54LS240	
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	Signetics	54LS240	
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	National	DM54LS241	
		54LS241	
	Signetics	54LS241	
SN54LS242	Motorola	SN54LS242	
	National	DM54LS242	
	Signetics	54LS242	
SN54LS243	Motorola	SN54LS243	
	National	DM54LS243	
	Signetics	54LS243	
SN54LS244	Motorola	SN54LS244	
	National	54LS244	
	Signetics	54LS244	
SN54LS245	Motorola	SN54LS245	
	National	DM54LS245	
		54LS245	
	Signetics	54LS245	
SN54LS247	Motorola	SN54LS247	
	National	54LS247	
SN54LS248	Motorola	SN54LS248	
	National	54LS248	
SN54LS249	National	54LS249	
SN54LS251	Motorola	SN54LS251	
	National	DM54LS251	
	Signetics	54LS251	
SN54LS253	Motorola	SN54LS253	
	National	DM54LS253	
		54LS253	
	Signetics	54LS253	
SN54LS257B	Motorola	SN54LS257A	
	National	DM54LS257B	
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	Signetics	54LS257A	
SN54LS258B	Motorola	SN54LS258A	
	National	DM54LS258B	
		54LS258A	
	SGS-Thomson	T54LS258A	
		54LS258	
	Signetics	54LS258A	
SN54LS259B	Motorola	SN54LS259	
	National	DM54LS259	
		54LS259	
	SGS-Thomson	T54LS259	
		54LS259	
	Signetics	54LS259	
SN54LS26	Motorola	SN54LS26	
	National	DM54LS26	
		54LS26	
	Signetics	54LS26	
SN54LS261	Signetics	54LS261	
SN54LS266	Motorola	SN54LS266	
	National	54LS266	
	SGS-Thomson	T54LS266	
		54LS266	
	Signetics	54LS266	
SN54LS27	Motorola	SN54LS27	
	National	DM54LS27	
		54LS27	
	SGS-Thomson	T54LS27	
		54LS27	
	Signetics	54LS27	
SN54LS273	Motorola	SN54LS273	
	National	54LS273	
	SGS-Thomson	T54LS273	
		54LS273	
	Signetics	54LS273	
SN54LS279A	Motorola	SN54LS279	
	National	DM54LS279	
		54LS279	
	SGS-Thomson	T54LS279	
		54LS279	
	Signetics	54LS279	
SN54LS28	Motorola	SN54LS28	
	National	54LS28	
	SGS-Thomson	T54LS28	
	Signetics	54LS28	
SN54LS280	Motorola	SN54LS280	
	SGS-Thomson	T54LS280	
		54LS280	
SN54LS283	Motorola	SN54LS283	
	National	DM54LS283	
		54LS283	
	SGS-Thomson	54LS283	
	Signetics	54LS283	
SN54LS290	Motorola	SN54LS290	
	SGS-Thomson	54LS290	
	Signetics	54LS290	
SN54LS293	Motorola	SN54LS293	
	SGS-Thomson	T54LS293	
		54LS293	
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Texas Instruments (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN54LS293			(Cont'd)
	Signetics	54LS293	
SN54LS295B	Signetics	54LS295B	
SN54LS298	Motorola	SN54LS298	
	National	54LS298	
	SGS-Thomson		
		54LS298	
	Signetics	54LS298	
SN54LS299	Motorola	SN54LS299	
	National	54LS299	
SN54LS30	Motorola	SN54LS30	
	National	DM54LS30	
		54LS30	
	SGS-Thomson		
		T54LS30	
		54LS30	
	Signetics	54LS30	
SN54LS32	Motorola	SN54LS32	
	National	DM54LS32	
		54LS32	
	SGS-Thomson		
		T54LS32	
		54LS32	
	Signetics	54LS32	
SN54LS322A	National	54LS322	
SN54LS323	Motorola	SN54LS323	
	National	54LS323	
SN54LS33	Motorola	SN54LS33	
	National	54LS33	
	SGS-Thomson		
		T54LS33	
	Signetics	54LS33	
♦ SN54LS347	National	54LS347	
SN54LS352	National	DM54LS352	
		54LS352	
	SGS-Thomson		
		T54LS352	
	Signetics	54LS352	
SN54LS353	National	54LS353	
	SGS-Thomson		
		T54LS353	
	Signetics	54LS353	
SN54LS365A	Motorola	SN54LS365A	
	National	DM54LS365A	
		54LS365	
	SGS-Thomson		
		T54LS365A	
		54LS365	
	Signetics	54LS365A	
SN54LS366A	Motorola	SN54LS366A	
	National	DM54LS366A	
		54LS366	
	SGS-Thomson		
		T54LS366A	
		54LS366	
	Signetics	54LS366A	
SN54LS367A	Motorola	SN54LS367A	
	National	DM54LS367A	
		54LS367	
	SGS-Thomson		
		T54LS367A	
		54LS367	
	Signetics	54LS367A	
SN54LS368A	Motorola	SN54LS368A	
	National	DM54LS368A	
		54LS368	
	SGS-Thomson		
		T54LS368A	
		54LS368	
	Signetics	54LS368A	
SN54LS37	Motorola	SN54LS37	
	National	DM54LS37	
		54LS37	
	SGS-Thomson		
		T54LS37	
		54LS37	
	Signetics	54LS37	
SN54LS373	Motorola	SN54LS373	
	National	DM54LS373	
	SGS-Thomson		
		T54LS373	
		54LS373	
	Signetics	54LS373	
SN54LS374	Motorola	SN54LS374	
	National	DM54LS374	
		54LS374	
	SGS-Thomson		
		T54LS374	
		54LS374	
	Signetics	54LS374	
SN54LS375	Motorola	SN54LS375	
	National	54LS375	
	Signetics	54LS375	
SN54LS377	Motorola	SN54LS377	
	National	54LS377	
	SGS-Thomson		
		T54LS377	
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	Signetics	54LS377	
SN54LS378	Motorola	SN54LS378	
	National	54LS378	
	SGS-Thomson		
		T54LS378	
	Signetics	54LS378	
SN54LS379	Motorola	SN54LS379	
	National	54LS379	
	SGS-Thomson		
		T54LS379	
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	National	DM54LS38	
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	SGS-Thomson		
		T54LS38	
		54LS38	
	Signetics	54LS38	
SN54LS386A	Motorola	SN54LS386	
SN54LS390	Motorola	SN54LS390	
	SGS-Thomson		
		T54LS390	
		54LS390	
	Signetics	54LS390	
SN54LS393	Motorola	SN54LS393	
	SGS-Thomson		
		T54LS393	
	Signetics	54LS393	
SN54LS395A	SGS-Thomson		
		T54LS395	
	Signetics	54LS395A	
SN54LS399	Motorola	SN54LS399	
SN54LS40	Motorola	SN54LS40	
	National	54LS40	
	SGS-Thomson		
		T54LS40	
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	Signetics	54LS40	
SN54LS42	Motorola	SN54LS42	
	National	DM54LS42	
		54LS42	
	SGS-Thomson		
		T54LS42	
		54LS42	
	Signetics	54LS42	
SN54LS47	Motorola	SN54LS47	
	National	54LS47	
SN54LS48	Motorola	SN54LS48	
	National	54LS48	
SN54LS49	National	54LS49	
SN54LS490	Motorola	SN54LS490	
	National	54LS490	
	SGS-Thomson		
		T54LS490	
	Signetics	54LS490	
SN54LS51	Motorola	SN54LS51	
	National	54LS51	
	Signetics	54LS51	
SN54LS54	Motorola	SN54LS54	
	National	54LS54	
	SGS-Thomson		
		T54LS54	
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	Signetics	54LS54	
SN54LS540	Motorola	SN54LS540	
	Signetics	54LS540	
SN54LS541	Motorola	SN54LS541	
	Signetics	54LS541	
♦ SN54LS620	Signetics	54LS620	
♦ SN54LS621	Signetics	54LS621	
♦ SN54LS622	Signetics	54LS622	
♦ SN54LS623	Motorola	SN54LS623	
	Signetics	54LS623	
SN54LS640	Motorola	SN54LS640	
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	Signetics	54LS645	
SN54LS670	Motorola	SN54LS670	
	National	DM54LS670	
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	SGS-Thomson		
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	Signetics	54LS670	
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	Signetics	54LS73	
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	National	DM54LS74	
		54LS74	
	SGS-Thomson		
		T54LS74A	
		54LS74	
	Signetics	54LS74A	
SN54LS75	Motorola	SN54LS75	
	National	DM54LS75	
	Signetics	54LS75	
SN54LS76A	Motorola	SN54LS76A	
	Signetics	54LS76	
SN54LS83A	Motorola	SN54LS83A	
	National	DM54LS83A	
		54LS83A	
	SGS-Thomson		
		54LS83A	
	Signetics	54LS83A	
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	National	DM54LS85	
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	Signetics	54LS85	
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	Signetics	54LS90	
SN54LS92	Motorola	SN54LS92	
	Signetics	54LS92	
SN54LS93	Motorola	SN54LS93	
	SGS-Thomson		
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	Signetics	54LS93	
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	National	54LS95B	
	Signetics	54LS95B	
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	Signetics	54S00	
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	Rochester	54S02	
	Signetics	54S02	
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	Signetics	54S03	
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	Signetics	54S04	
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SN54S08	National	DM54S08	
	Rochester	54S08	
	Signetics	54S08	
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SN54S10	National	DM54S10	
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	Signetics	54S10	
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	Rochester	54S11	
	Signetics	54S11	
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	Signetics	54S112	
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	Rochester	54S113	
	Signetics	54S113	
SN54S114	Rochester	54S114	
SN54S133	National	DM54S133	
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	Signetics	54S133	
SN54S134	Rochester	54S134	
	Signetics	54S134	
SN54S135	Signetics	54S135	
SN54S138	National	DM54S138	
	Signetics	54S138	
SN54S139	National	DM54S139	
	Rochester	54S139	
	Signetics	54S139	
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SN54S151	National	DM54S151	
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SN54S169	Signetics	54S169A	
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	Signetics	54S174	
SN54S175	National	DM54S175	
	Rochester	54S175	
	Signetics	54S175	
SN54S181	Signetics	54S181	
SN54S182	Signetics	54S182	
SN54S189	Cypress	CY54S189	
♦ SN54S189A	National	DM54S189	
		DM54S189A	
♦ SN54S189A	Signetics	54S189	
SN54S194	National	DM54S194	
SN54S195	National	DM54S195	
	Signetics	54S195	
SN54S20	National	DM54S20	
	Rochester	54S20	
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♦ SN54S226	Rochester	54S226	
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	National	DM54S241	
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	Signetics	54S251	
SN54S257	National	DM54S257	
	Signetics	54S257	
SN54S258	National	DM54S258	
	Rochester	54S258	
	Signetics	54S258	
SN54S260	Rochester	54S260	
	Signetics	54S260	
SN54S280	National	DM54S280	
	Signetics	54S280	
♦ SN54S281	Rochester	54S281	
SN54S30	National	DM54S30	
	Rochester	54S30	
♦ SN54S301	Signetics	54S301	
SN54S32	National	DM54S32	
	Signetics	54S32	
♦ SN54S350	Signetics	54S350	
SN54S37	Signetics	54S37	
SN54S373	National	DM54S373	
	Signetics	54S373	
SN54S374	AMD	AM54S374	
	Signetics	54S374	
SN54S38	Signetics	54S38	
SN54S40	National	DM54S40	
	Rochester	54S40	
	Signetics	54S40	
SN54S51	Rochester	54S51	
	Signetics	54S51	
			(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Texas Instruments (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN54S64	National	DM54S64	
	Signetics	54S64	
SN54S65	Rochester	54S65	
	Signetics	54S65	
SN54S74	Rochester	54S74	
	Signetics	54S74	
SN54S85	Signetics	54S85	
SN54S86	Signetics	54S86	
♦ SN5400	Lansdale	ML5400	
	Rochester	5400	
		5401	
♦ SN5401	Lansdale	ML5401	
		SL5401	
♦ SN5402	Lansdale	ML5402	
		SL5402	
♦ SN5402	Rochester	5402	
♦ SN5403	Lansdale	ML5403	
♦ SN5404	Lansdale	ML5404	
	Rochester	5404	
♦ SN5405	Lansdale	ML5405	
♦ SN5406	Lansdale	ML5406	
	Rochester	5406	
♦ SN5407	Lansdale	ML5407	
	Rochester	5407	
♦ SN5408	Lansdale	ML5408	
	Rochester	5408	
♦ SN5409	Lansdale	ML5409	
		SL5409	
♦ SN5409	Rochester	5409	
♦ SN5410	Lansdale	ML5410	
♦ SN54107	Lansdale	ML54107	
♦ SN5411	Rochester	5411	
♦ SN54121	Lansdale	ML54121	
	Rochester	54121	
♦ SN54123	Lansdale	ML54123	
♦ SN54126	Rochester	54126	
♦ SN5413	Lansdale	ML5413	
	Rochester	5413	
♦ SN54132	Lansdale	ML54132	
	Rochester	54132	
♦ SN5414	Lansdale	ML5414	
	Rochester	5414	
♦ SN54141	Rochester	54141	
♦ SN54144	Rochester	54144	
♦ SN54145	Lansdale	ML54145	
	Rochester	54145	
♦ SN54150	Lansdale	ML54150	
	Rochester	54150	
♦ SN54151	Lansdale	ML54151	
	Rochester	54151	
♦ SN54152	Lansdale	ML54152	
		SL54152	
♦ SN54152	Rochester	54152	
♦ SN54153	Lansdale	ML54153	
♦ SN54154	Lansdale	ML54154	
♦ SN54155	Lansdale	ML54155	
	Rochester	54155	
♦ SN54156	Lansdale	ML54156	
	Rochester	54156	
♦ SN54157	Rochester	54157	
♦ SN5416	Lansdale	ML5416	
	Rochester	5416	
♦ SN54160	Lansdale	ML54160	
	Rochester	54160	
♦ SN54161	Lansdale	ML54161	
♦ SN54162	Lansdale	ML54162	
	Rochester	54162	
♦ SN54163	Lansdale	ML54163	
♦ SN54164	Lansdale	ML54164	
	Rochester	54164	
♦ SN54165	Lansdale	ML54165	
	Rochester	54165	
♦ SN54166	Lansdale	ML54166	
	Rochester	54166	
♦ SN54167	Rochester	54167	
♦ SN5417	Lansdale	ML5417	
	Rochester	5417	
♦ SN54173	Rochester	54173	
♦ SN54174	Lansdale	ML54174	
	Rochester	54174	
♦ SN54175	Lansdale	ML54175	
♦ SN54176	Lansdale	ML54176	
		ML8280	
		SL8280	
♦ SN54176	Rochester	54176	
♦ SN54177	Lansdale	ML54177	
		ML8281	
		SL8281	
♦ SN54177	Rochester	54177	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ SN54178	Lansdale	ML54178	
		ML8270	
		SL8270	
♦ SN54178	Rochester	54178	
♦ SN54179	Lansdale	ML54179	
		ML8271	
		SL8271	
♦ SN54179	Rochester	54179	
♦ SN54180	Lansdale	ML54180	
	Rochester	54180	
♦ SN54181	Lansdale	ML54181	
	Rochester	54181	
		9341	
♦ SN54182	Lansdale	ML54182	
		SL54182	
♦ SN54182	Rochester	54182	
		9342	
♦ SN54190	Rochester	54190	
♦ SN54192	Lansdale	ML54192	
	Rochester	54192	
♦ SN54193	Lansdale	ML54193	
	Rochester	54193	
♦ SN54195	Lansdale	ML54195	
	Rochester	54195	
♦ SN54196	Lansdale	ML54196	
	Rochester	54196	
♦ SN54197	Lansdale	ML54197	
	Rochester	54197	
♦ SN54198	Lansdale	ML54198	
		SL54198	
♦ SN54198	Rochester	54198	
♦ SN54199	Lansdale	ML54199	
	Rochester	54199	
♦ SN5420	Lansdale	ML5420	
	Rochester	5420	
♦ SN5422	Rochester	5422	
♦ SN54221	Rochester	54221	
♦ SN5423	Rochester	5423	
♦ SN54251	Rochester	54251	
♦ SN5426	Lansdale	ML5426	
		SL8T18	
♦ SN5427	Rochester	5427	
♦ SN54279	Lansdale	ML54279	
♦ SN5430	Lansdale	ML5430	
	Rochester	5430	
♦ SN5432	Rochester	5432	
♦ SN5437	Rochester	5437	
♦ SN5438	Lansdale	ML5438	
	Rochester	5438	
♦ SN5440	Lansdale	ML5440	
	Rochester	5440	
♦ SN5442	Lansdale	ML5442	
	Rochester	5442	
♦ SN5443	Lansdale	ML5443	
	Rochester	5443	
♦ SN5444	Lansdale	ML5444	
	Rochester	5444	
♦ SN5445	Lansdale	ML5445	
♦ SN5448	Rochester	5448	
♦ SN5450	Lansdale	ML5450	
	Rochester	5450	
♦ SN5451	Lansdale	ML5451	
	Rochester	5451	
♦ SN5453	Lansdale	ML5453	
		SL5453	
♦ SN5453	Rochester	5453	
♦ SN5454	Lansdale	ML5454	
		SL5454	
♦ SN5454	Rochester	5454	
♦ SN5460	Lansdale	ML5460	
		SL5460	
♦ SN5460	Rochester	5460	
♦ SN5470	Lansdale	ML5470	
		SL5470	
♦ SN5470	Rochester	5470	
♦ SN5472	Lansdale	ML5472	
		SL5472	
♦ SN5472	Rochester	5472	
♦ SN5473	Lansdale	ML5473	
♦ SN5474	Lansdale	ML5474	
	Rochester	5474	
♦ SN5476	Lansdale	ML5475	
		ML5476	
♦ SN5476	Rochester	5476	
♦ SN54796	Lansdale	ML8290	
		SL8290	
♦ SN54797	Lansdale	ML8291	
		SL8291	
♦ SN5480	Lansdale	ML5480	
		SL5480	
♦ SN5480	Rochester	5480	
♦ SN5482	Rochester	5482	
♦ SN5483	Lansdale	ML5483	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ SN5485	Rochester	5485	
♦ SN5486	Lansdale	ML5486	
♦ SN5490	Lansdale	ML5490	
	Rochester	5490	
♦ SN5491	Lansdale	ML5491	
	Rochester	5491	
♦ SN5492	Lansdale	ML5492	
	Rochester	5492	
♦ SN5493	Lansdale	ML5493	
	Rochester	5493	
♦ SN5494	Lansdale	ML5494	
	Rochester	5494	
♦ SN5495	Lansdale	ML5495	
	Rochester	5495	
♦ SN5496	Lansdale	ML5496	
	Rochester	5496	
♦ SN5510	Lansdale	ML1510	
SN55107	Signetics	NE521	
SN55108	Signetics	SE522	
SN55110	Motorola	MC75S110	
SN55189	SiliconG	SG1468	
♦ SN5520	Rochester	5520	
♦ SN55234	Rochester	55234	
SN65512	Allegro Micro	UCQ5811	
SN65518	Allegro Micro	UCQ5818	
SN74ACT2140	Toshiba	TC55187	
SN74ACT2150A-20	TI	SN74ACT2150A-30	
SN74ACT2150A-30	TI	SN74ACT2150A-20	
SN74ACT2152A-20	TI	SN74ACT2152A-25	
SN74ACT2152A-25	TI	SN74ACT2152A-20	
SN74ACT2154A-20	TI	SN74ACT2154A-25	
SN74ACT2154A-25	TI	SN74ACT2154A-20	
SN74ACT7201	Mosel	7201	
SN74ACT7202	Mosel	7203	
SN74AC210	Toshiba	TC55187	
SN74ALS00A	National	DM74ALS00	
	Signetics	74ALS00A	
SN74ALS01	National	DM74ALS01	
SN74ALS02	Mitsubishi	M74ALS02	
	National	DM74ALS02	
	Signetics	74ALS02	
SN74ALS03B	Mitsubishi	M74ALS03B	
	National	DM74ALS03	
SN74ALS04B	Mitsubishi	M74ALS04B	
	National	DM74ALS04	
	Signetics	74ALS04B	
SN74ALS05A	Mitsubishi	M74ALS05A	
	National	DM74ALS05	
SN74ALS08	Mitsubishi	M74ALS08	
	National	DM74ALS08	
	Signetics	74ALS08	
SN74ALS09A	Mitsubishi	M74ALS09	
	National	DM74ALS09	
SN74ALS10A	Mitsubishi	M74ALS10A	
	National	DM74ALS10	
	Signetics	74ALS10A	
SN74ALS1000A	Mitsubishi	M74ALS1000A	
	National	DM74ALS1000	
SN74ALS1002A	Mitsubishi	M74ALS1002A	
	National	DM74ALS1002	
SN74ALS1003A	Mitsubishi	M74ALS1003A	
	National	DM74ALS1003	
SN74ALS1004	Mitsubishi	M74ALS1004	
	National	DM74ALS1004	
SN74ALS1005	Mitsubishi	M74ALS1005	
	National	DM74ALS1005	
SN74ALS1008A	Mitsubishi	M74ALS1008A	
	National	DM74ALS1008	
SN74ALS1010A	Mitsubishi	M74ALS1010A	
	National	DM74ALS1010	
SN74ALS1011A	Mitsubishi	M74ALS1011A	
	National	DM74ALS1011	
SN74ALS1020A	Mitsubishi	M74ALS1020A	
	National	DM74ALS1020	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74ALS1032A	Mitsubishi	M74ALS1032A	
	National	DM74ALS1032	
SN74ALS1034	Mitsubishi	M74ALS1034	
	National	DM74ALS1034	
SN74ALS1035	Mitsubishi	M74ALS1035	
	National	DM74ALS1035	
SN74ALS109	Mitsubishi	M74ALS109A	
	National	DM74ALS109	
	Signetics	74ALS109A	
SN74ALS11A	Mitsubishi	M74ALS11A	
	National	DM74ALS11	
	Signetics	74ALS11A	
SN74ALS112A	Mitsubishi	M74ALS112A	
	Signetics	74ALS112A	
SN74ALS113A	Mitsubishi	M74ALS113A	
SN74ALS114A	Mitsubishi	M74ALS114A	
SN74ALS12A	Mitsubishi	M74ALS12A	
	National	DM74ALS12	
SN74ALS1240	Mitsubishi	M74ALS1240A	
	National	DM74ALS1240	
	TI	SN74ALS1240-1	
SN74ALS1240-1	Mitsubishi	M74ALS1240A	
	National	DM74ALS1240	
	TI	SN74ALS1240	
SN74ALS1242	Mitsubishi	M74ALS1242A	
	National	DM74ALS1242	
	TI	SN74ALS1242-1	
SN74ALS1242-1	Mitsubishi	M74ALS1242A	
	National	DM74ALS1242	
	TI	SN74ALS1242	
SN74ALS1244A	Mitsubishi	M74ALS1244A	
	National	DM74ALS1244	
	TI	SN74ALS1244A-1	
SN74ALS1244A-1	Mitsubishi	M74ALS1244A	
	National	DM74ALS1244	
	TI	SN74ALS1244A	
SN74ALS1245A	Mitsubishi	M74ALS1245A	
	TI	SN74ALS1245A-1	
SN74ALS1245A-1	Mitsubishi	M74ALS1245A	
	TI	SN74ALS1245A	
SN74ALS131	Mitsubishi	M74ALS131	
	National	DM74ALS131	
SN74ALS133	Mitsubishi	M74ALS133	
	National	DM74ALS133	
SN74ALS136	National	DM74ALS136	
SN74ALS137	Mitsubishi	M74ALS137	
	National	DM74ALS137	
SN74ALS138	Mitsubishi	M74ALS138	
	National	DM74ALS138	
	Signetics	74ALS138	
SN74ALS139	Signetics	74ALS139	
SN74ALS15A	Mitsubishi	M74ALS15A	
	National	DM74ALS15	
SN74ALS151	Mitsubishi	M74ALS151	
	National	DM74ALS151	
	Signetics	74ALS151	
SN74ALS153	Mitsubishi	M74ALS153	
	National	DM74ALS153	
	Signetics	74ALS153	
SN74ALS157	Mitsubishi	M74ALS157	
	Signetics	74ALS157	
SN74ALS158	Mitsubishi	M74ALS158	
	Signetics	74ALS158	
SN74ALS160B	Mitsubishi	M74ALS160B	
	National	DM74ALS160	
SN74ALS161B	Mitsubishi	M74ALS161B	
	National	DM74ALS161	
	Signetics	74ALS161B	
SN74ALS162B	Mitsubishi	M74ALS162B	
	National	DM74ALS162	
SN74ALS163B	Mitsubishi	M74ALS163B	
	National	DM74ALS163	
	Signetics	74ALS163B	
SN74ALS164	Signetics	74ALS164	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74ALS1640A			
	Mitsubishi	M74ALS1640A	
	TI	SN74ALS1640A-1	
SN74ALS1640A-1			
	Mitsubishi	M74ALS1640A	
	TI	SN74ALS1640A	
SN74ALS1645A			
	Mitsubishi	M74ALS1645A	
	TI	SN74ALS1645A-1	
SN74ALS1645A-1			
	Mitsubishi	M74ALS1645A	
	TI	SN74ALS1645A	
SN74ALS165	National	DM74ALS165	
SN74ALS166	National	DM74ALS166	
SN74ALS168B			
	Mitsubishi	M74ALS168B	
	National	DM74ALS168	
SN74ALS169B			
	Mitsubishi	M74ALS169B	
	National	DM74ALS169	
SN74ALS174	Mitsubishi	M74ALS174	
	National	DM74ALS174	
	Signetics	74ALS174	
SN74ALS175	Mitsubishi	M74ALS175	
	National	DM74ALS175	
	Signetics	74ALS175	
SN74ALS190	Mitsubishi	M74ALS190	
SN74ALS191	Mitsubishi	M74ALS191	
	Signetics	74ALS191	
SN74ALS192	Mitsubishi	M74ALS192	
SN74ALS193	Mitsubishi	M74ALS193	
	Signetics	74ALS193	
SN74ALS20A	Mitsubishi	M74ALS20A	
	National	DM74ALS20	
	Signetics	74ALS20A	
SN74ALS21A	Mitsubishi	M74ALS21A	
	National	DM74ALS21	
SN74ALS22B	Mitsubishi	M74ALS22B	
	National	DM74ALS22	
♦ SN74ALS231-1			
	TI	SN74ALS231	
SN74ALS232	TI	SN74ALS232A	
SN74ALS232A			
	TI	SN74ALS232	
SN74ALS234	IDT	IDT72403	
SN74ALS235	IDT	IDT72413	
SN74ALS236	IDT	IDT72401	
SN74ALS240	Harris	CD74FCT240	
SN74ALS240A			
	Mitsubishi	M74ALS240A	
		M74ALS240A-1	
	National	DM74ALS240	
	Signetics	74ALS240A	
		74ALS240A-1	
	TI	SN74ALS240A-1	
SN74ALS240A-1			
	Mitsubishi	M74ALS240A	
		M74ALS240A-1	
	National	DM74ALS240	
	Signetics	74ALS240A	
		74ALS240A-1	
	TI	SN74ALS240A	
SN74ALS241	Harris	CD74FCT241	
SN74ALS241A			
	Mitsubishi	M74ALS241A	
		M74ALS241A-1	
	National	DM74ALS241	
	Signetics	74ALS241A	
		74ALS241A-1	
	TI	SN74ALS241A-1	
SN74ALS241A-1			
	Mitsubishi	M74ALS241A	
		M74ALS241A-1	
	National	DM74ALS241	
	Signetics	74ALS241A	
		74ALS241A-1	
	TI	SN74ALS241A	
SN74ALS242B			
	Mitsubishi	M74ALS242A	
	National	DM74ALS242	
	TI	SN74ALS242B-1	
SN74ALS242B-1			
	Mitsubishi	M74ALS242A	
	National	DM74ALS242	
	TI	SN74ALS242B	
SN74ALS243A			
	Mitsubishi	M74ALS243A	
	National	DM74ALS243	
	TI	SN74ALS243A-1	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74ALS243A-1			
	Mitsubishi	M74ALS243A	
	National	DM74ALS243	
	TI	SN74ALS243A	
SN74ALS244	Harris	CD74FCT244	
SN74ALS244A			
	Mitsubishi	M74ALS244A	
		M74ALS244A-1	
	National	DM74ALS244	
	Signetics	74ALS244A	
		74ALS244A-1	
	TI	SN74ALS244A-1	
SN74ALS244A-1			
	Mitsubishi	M74ALS244A	
		M74ALS244A-1	
	National	DM74ALS244	
	Signetics	74ALS244A	
		74ALS244A-1	
	TI	SN74ALS244A	
SN74ALS245	Harris	CD74FCT245	
SN74ALS245A			
	Mitsubishi	M74ALS245A	
		M74ALS245A-1	
	National	DM74ALS245	
	Signetics	74ALS245A	
		74ALS245A-1	
	TI	SN74ALS245A-1	
SN74ALS245A-1			
	Mitsubishi	M74ALS245A	
		M74ALS245A-1	
	National	DM74ALS245	
	Signetics	74ALS245A	
		74ALS245A-1	
	TI	SN74ALS245A	
SN74ALS251	Mitsubishi	M74ALS251	
	National	DM74ALS251	
	Signetics	74ALS251	
SN74ALS253	Mitsubishi	M74ALS253	
	National	DM74ALS253	
	Signetics	74ALS253	
SN74ALS257	Mitsubishi	M74ALS257	
	National	DM74ALS257	
	Signetics	74ALS257	
SN74ALS258	Mitsubishi	M74ALS258	
	National	DM74ALS258	
	Signetics	74ALS258	
SN74ALS27	National	DM74ALS27	
	Signetics	74ALS27	
SN74ALS273	Harris	CD74FCT273	
	Mitsubishi	M74ALS273	
	National	DM74ALS273	
	Signetics	74ALS273	
SN74ALS28A	Mitsubishi	M74ALS28A	
	National	DM74ALS28	
SN74ALS29818			
	AMD	AM29C818	
SN74ALS29818FN			
	TI	AM29818AJC	
SN74ALS29821			
	AMD	AM29C821	
		AM29821	
SN74ALS29823			
	AMD	AM29C823	
		AM29823	
SN74ALS29827			
	AMD	AM29C827	
		AM29827	
SN74ALS29828			
	AMD	AM29C828	
SN74ALS29833			
	AMD	AM29C833	
		AM29833	
SN74ALS29841			
	AMD	AM29C841	
		AM29841	
SN74ALS29843			
	AMD	AM29C843	
		AM29843	
SN74ALS29853			
	AMD	AM29C853	
		AM29853	
SN74ALS29861			
	AMD	AM29C861	
		AM29861	
SN74ALS29863			
	AMD	AM29C863	
		AM29863	
SN74ALS30A	Mitsubishi	M74ALS30A	
	National	DM74ALS30	
	Signetics	74ALS30A	
SN74ALS32	National	DM74ALS32	
	Signetics	74ALS32	
SN74ALS33A	Mitsubishi	M74ALS33A	
	National	DM74ALS33	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74ALS352	Mitsubishi	M74ALS352	
	National	DM74ALS352	
SN74ALS353	Mitsubishi	M74ALS353	
	National	DM74ALS353	
SN74ALS37A	Mitsubishi	M74ALS37A	
	National	DM74ALS37	
SN74ALS373	Harris	CD74FCT373	
	Mitsubishi	M74ALS373	
	National	DM74ALS373	
	Signetics	74ALS373	
SN74ALS374	Harris	CD74FCT374	
	Mitsubishi	M74ALS374	
	National	DM74ALS374	
	Signetics	74ALS374	
	TI	SN74ALS374A	
SN74ALS374A			
	Mitsubishi	M74ALS374	
	National	DM74ALS374	
	Signetics	74ALS374	
	TI	SN74ALS374	
SN74ALS38A	Mitsubishi	M74ALS38A	
	National	DM74ALS38	
	Signetics	74ALS38A	
SN74ALS40A	Mitsubishi	M74ALS40A	
	National	DM74ALS40	
SN74ALS465A			
	Mitsubishi	M74ALS465A	
	National	DM74ALS465	
SN74ALS466A			
	Mitsubishi	M74ALS466A	
	National	DM74ALS466	
SN74ALS467A			
	Mitsubishi	M74ALS467A	
	National	DM74ALS467	
SN74ALS468A			
	Mitsubishi	M74ALS468A	
	National	DM74ALS468	
SN74ALS518	National	DM74ALS518	
SN74ALS519	National	DM74ALS519	
SN74ALS520	National	DM74ALS520	
SN74ALS521	National	DM74ALS521	
SN74ALS522	National	DM74ALS522	
SN74ALS533	Harris	CD74FCT533	
	Mitsubishi	M74ALS533	
	National	DM74ALS533	
SN74ALS534	Harris	CD74FCT534	
	Mitsubishi	M74ALS534	
	National	DM74ALS534	
	TI	SN74ALS534A	
SN74ALS534A			
	Mitsubishi	M74ALS534	
	National	DM74ALS534	
	TI	SN74ALS534	
SN74ALS540	Harris	CD74FCT540	
	TI	SN74ALS540-1	
SN74ALS540-1			
	TI	SN74ALS540	
SN74ALS541	Harris	CD74FCT541	
	TI	SN74ALS541-1	
SN74ALS541-1			
	TI	SN74ALS541	
SN74ALS560A			
	Mitsubishi	M74ALS560A	
SN74ALS563	Harris	CD74FCT563	
	Mitsubishi	M74ALS563A	
	National	DM74ALS563	
	Signetics	74ALS563A	
	TI	SN74ALS563A	
SN74ALS563A			
	Mitsubishi	M74ALS563A	
	National	DM74ALS563	
	Signetics	74ALS563A	
	TI	SN74ALS563	
SN74ALS564	Harris	CD74FCT564	
	Mitsubishi	M74ALS564A	
	National	DM74ALS564	
	Signetics	74ALS564A	
	TI	SN74ALS564A	
SN74ALS564A			
	Mitsubishi	M74ALS564A	
	National	DM74ALS564	
	Signetics	74ALS564A	
	TI	SN74ALS564	
SN74ALS568A			
	Mitsubishi	M74ALS568A	
SN74ALS569A			
	Mitsubishi	M74ALS569A	
SN74ALS573	Harris	CD74FCT573	
	Mitsubishi	M74ALS573B	
	National	DM74ALS573	
	Signetics	74ALS573B	
	TI	SN74ALS573B	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74ALS573B			
	Mitsubishi	M74ALS573B	
	National	DM74ALS573	
	Signetics	74ALS573B	
	TI	SN74ALS573	
SN74ALS574	Harris	CD74FCT574	
	Mitsubishi	M74ALS574A	
	National	DM74ALS574	
	Signetics	74ALS574A	
	TI	SN74ALS574A	
SN74ALS574A			
	Mitsubishi	M74ALS574A	
	National	DM74ALS574	
	Signetics	74ALS574A	
	TI	SN74ALS574	
SN74ALS575A			
	Mitsubishi	M74ALS575A	
SN74ALS576	Mitsubishi	M74ALS576A	
	National	DM74ALS576	
	TI	SN74ALS576A	
SN74ALS576A			
	Mitsubishi	M74ALS576A	
	National	DM74ALS576	
	TI	SN74ALS576	
SN74ALS577A			
	Mitsubishi	M74ALS577A	
SN74ALS580	Mitsubishi	M74ALS580A	
	National	DM74ALS580	
	TI	SN74ALS580A	
SN74ALS580A			
	Mitsubishi	M74ALS580A	
	National	DM74ALS580	
	TI	SN74ALS580	
SN74ALS620A			
	Mitsubishi	M74ALS620A	
		M74ALS620A-1	
	Signetics	74ALS620A	
		74ALS620A-1	
	TI	SN74ALS620A-1	
SN74ALS620A-1			
	Mitsubishi	M74ALS620A	
		M74ALS620A-1	
	Signetics	74ALS620A	
		74ALS620A-1	
	TI	SN74ALS620A	
SN74ALS621A			
	Mitsubishi	M74ALS621A	
	TI	SN74ALS621A-1	
SN74ALS621A-1			
	Mitsubishi	M74ALS621A	
	TI	SN74ALS621A	
SN74ALS622A			
	Mitsubishi	M74ALS622A	
	TI	SN74ALS622A-1	
SN74ALS622A-1			
	Mitsubishi	M74ALS622A	
	TI	SN74ALS622A	
SN74ALS623	Harris	CD74FCT623	
SN74ALS623A			
	Mitsubishi	M74ALS623A	
		M74ALS623A-1	
	Signetics	74ALS623A	
		74ALS623A-1	
	TI	SN74ALS623A-1	
SN74ALS623A-1			
	Mitsubishi	M74ALS623A	
		M74ALS623A-1	
	Signetics	74ALS623A	
		74ALS623A-1	
	TI	SN74ALS623A	
SN74ALS632A			
	TI	SN74ALS632B	
SN74ALS632B			
	TI	SN74ALS632A	
SN74ALS638A			
	TI	SN74ALS638A-1	
SN74ALS638A-1			
	TI	SN74ALS638A	
SN74ALS639A			
	TI	SN74ALS639A-1	
SN74ALS639A-1			
	TI	SN74ALS639A	
SN74ALS640	Harris	CD74FCT640	
SN74ALS640A			
	Mitsubishi	M74ALS640A	
		M74ALS640A-1	
	National	DM74ALS640	
	TI	SN74ALS640A-1	
SN74ALS640A-1			
	Mitsubishi	M74ALS640A	
		M74ALS640A-1	
	National	DM74ALS640	
	TI	SN74ALS640A	

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Texas Instruments (Cont'd)			
SN74ALS641A			
	Mitsubishi	M74ALS641A	
	TI	SN74ALS641A-1	
SN74ALS641A-1			
	Mitsubishi	M74ALS641A	
	TI	SN74ALS641A	
SN74ALS642A			
	Mitsubishi	M74ALS642A	
	TI	SN74ALS642A-1	
SN74ALS642A-1			
	Mitsubishi	M74ALS642A	
	TI	SN74ALS642A	
SN74ALS643	Harris	CD74FCT643	
SN74ALS643A			
	Mitsubishi	M74ALS643A	
	TI	SN74ALS643A-1	
SN74ALS643A-1			
	Mitsubishi	M74ALS643A	
	TI	SN74ALS643A	
SN74ALS644A			
	Mitsubishi	M74ALS644A	
	TI	SN74ALS644A-1	
SN74ALS644A-1			
	Mitsubishi	M74ALS644A	
	TI	SN74ALS644A	
SN74ALS645A			
	Mitsubishi	M74ALS645A	
		M74ALS645A-1	
	National	DM74ALS645	
	Signetics	74ALS645A	
		74ALS645A-1	
	TI	SN74ALS645A-1	
SN74ALS645A-1			
	Mitsubishi	M74ALS645A	
		M74ALS645A-1	
	National	DM74ALS645	
	Signetics	74ALS645A	
		74ALS645A-1	
	TI	SN74ALS645A	
SN74ALS646	Harris	CD74FCT646	
	Mitsubishi	M74ALS646	
	Signetics	74ALS646	
		74ALS646-1	
	TI	SN74ALS646-1	
SN74ALS646-1			
	Mitsubishi	M74ALS646	
	Signetics	74ALS646	
		74ALS646-1	
	TI	SN74ALS646	
SN74ALS647	Harris	CD74FCT647	
	Mitsubishi	M74ALS647	
	TI	SN74ALS647-1	
SN74ALS647-1			
	Mitsubishi	M74ALS647	
	TI	SN74ALS647	
SN74ALS648	Harris	CD74FCT648	
	Mitsubishi	M74ALS648	
	National	DM74ALS648	
		DM74ALS648-1	
	Signetics	74ALS648	
		74ALS648-1	
	TI	SN74ALS648-1	
SN74ALS648-1			
	Mitsubishi	M74ALS648	
	National	DM74ALS648	
		DM74ALS648-1	
	Signetics	74ALS648	
		74ALS648-1	
	TI	SN74ALS648	
SN74ALS649	Harris	CD74FCT649	
	Mitsubishi	M74ALS649	
	TI	SN74ALS649-1	
SN74ALS649-1			
	Mitsubishi	M74ALS649	
	TI	SN74ALS649	
SN74ALS651	Harris	CD74FCT651	
	Mitsubishi	M74ALS651	
	National	DM74ALS651	
	Signetics	74ALS651	
		74ALS651-1	
	TI	SN74ALS651-1	
SN74ALS651-1			
	Mitsubishi	M74ALS651	
	National	DM74ALS651	
	Signetics	74ALS651	
		74ALS651-1	
	TI	SN74ALS651	
SN74ALS652	Harris	CD74FCT652	
	Mitsubishi	M74ALS652	
	Signetics	74ALS652	
		74ALS652-1	
	TI	SN74ALS652-1	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74ALS652-1			
	Mitsubishi	M74ALS652	
	Signetics	74ALS652	
		74ALS652-1	
	TI	SN74ALS652	
SN74ALS653	Harris	CD74FCT653	
	TI	SN74ALS653-1	
SN74ALS653-1			
	TI	SN74ALS653	
SN74ALS654	Harris	CD74FCT654	
	TI	SN74ALS654-1	
SN74ALS654-1			
	TI	SN74ALS654	
SN74ALS689	National	DM74ALS689	
SN74ALS74A	Mitsubishi	M74ALS74A	
	National	DM74ALS74	
	Signetics	74ALS74A	
SN74ALS746	TI	SN74ALS746-1	
SN74ALS746-1			
	TI	SN74ALS746	
SN74ALS747	TI	SN74ALS747-1	
SN74ALS747-1			
	TI	SN74ALS747	
SN74ALS756	TI	SN74ALS756-1	
SN74ALS756-1			
	TI	SN74ALS756	
SN74ALS804A			
	National	DM74ALS804	
SN74ALS805A			
	National	DM74ALS805	
SN74ALS808A			
	National	DM74ALS808	
SN74ALS810	National	DM74ALS810	
SN74ALS811	National	DM74ALS811	
SN74ALS832A			
	National	DM74ALS832	
SN74ALS841	Harris	CD74FCT841	
SN74ALS842	Harris	CD74FCT842	
	TI	SN74ALS842-1	
SN74ALS842-1			
	TI	SN74ALS842	
SN74ALS843	Harris	CD74FCT843	
	TI	SN74ALS843-1	
SN74ALS843-1			
	TI	SN74ALS843	
SN74ALS844	Harris	CD74FCT844	
	TI	SN74ALS844-1	
SN74ALS844-1			
	TI	SN74ALS844	
SN74ALS845	TI	SN74ALS845-1	
SN74ALS845-1			
	TI	SN74ALS845	
SN74ALS846	TI	SN74ALS846-1	
SN74ALS846-1			
	TI	SN74ALS846	
SN74ALS86	National	DM74ALS86	
	Signetics	74ALS86	
SN74ALS873B			
	Mitsubishi	M74ALS873B	
	National	DM74ALS873	
SN74ALS874B			
	Mitsubishi	M74ALS874B	
	National	DM74ALS874	
SN74ALS876A			
	Mitsubishi	M74ALS876A	
	National	DM74ALS876	
SN74ALS878A			
	Mitsubishi	M74ALS878A	
SN74ALS879A			
	Mitsubishi	M74ALS879A	
SN74ALS880A			
	Mitsubishi	M74ALS880A	
	National	DM74ALS880	
SN74ALS996	TI	SN74ALS996-1	
SN74ALS996-1			
	TI	SN74ALS996	
SN74AS00	National	DM74AS00	
SN74AS02	National	DM74AS02	
SN74AS04	National	DM74AS04	
SN74AS08	National	DM74AS08	
SN74AS10	National	DM74AS10	
SN74AS1000A			
	National	DM74AS1000	
SN74AS1004A			
	National	DM74AS1004	
SN74AS1008A			
	National	DM74AS1008	
SN74AS1032A			
	National	DM74AS1032	
SN74AS1034A			
	National	DM74AS1034	
SN74AS1036A			
	National	DM74AS1036	
SN74AS109	National	DM74AS109	
SN74AS11	National	DM74AS11	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74AS158	National	DM74AS158	
SN74AS160	National	DM74AS160	
SN74AS161	National	DM74AS161	
SN74AS162	National	DM74AS162	
SN74AS163	National	DM74AS163	
SN74AS168	National	DM74AS168	
SN74AS169	National	DM74AS169	
SN74AS174	National	DM74AS174	
SN74AS175A	National	DM74AS175	
SN74AS1804	National	DM74AS1804	
SN74AS1805	National	DM74AS1805	
SN74AS1808	National	DM74AS1808	
SN74AS181B	National	DM74AS181B	
SN74AS182	National	DM74AS182	
SN74AS1832	National	DM74AS1832	
SN74AS20	National	DM74AS20	
SN74AS21	National	DM74AS21	
SN74AS230	National	DM74AS230	
SN74AS231	National	DM74AS231	
SN74AS240	Harris	CD74FCT240	
	National	DM74AS240	
SN74AS241	Harris	CD74FCT241	
	National	DM74AS241	
SN74AS242	National	DM74AS242	
SN74AS243	National	DM74AS243	
SN74AS244	Harris	CD74FCT244	
	National	DM74AS244	
SN74AS245	Harris	CD74FCT245	
	National	DM74AS245	
SN74AS257	National	DM74AS257	
SN74AS258	National	DM74AS258	
SN74AS2620	National	DM74AS2620	
SN74AS264	National	DM74AS264	
SN74AS27	National	DM74AS27	
SN74AS280	National	DM74AS280	
SN74AS282	National	DM74AS282	
SN74AS286	National	DM74AS286	
SN74AS30	National	DM74AS30	
SN74AS32	National	DM74AS32	
SN74AS34	National	DM74AS34	
SN74AS373	Harris	CD74FCT373	
	National	DM74AS373	
SN74AS374	Harris	CD74FCT374	
	National	DM74AS374	
SN74AS533	Harris	CD74FCT533	
	National	DM74AS533	
SN74AS534	Harris	CD74FCT534	
	National	DM74AS534	
SN74AS573	Harris	CD74FCT573	
	National	DM74AS573	
	TI	SN74AS573A	
SN74AS573A	National	DM74AS573	
	TI	SN74AS573	
SN74AS574	Harris	CD74FCT574	
	National	DM74AS574	
SN74AS575	National	DM74AS575	
SN74AS576	National	DM74AS576	
SN74AS577	National	DM74AS577	
SN74AS580	National	DM74AS580	
SN74AS620	National	DM74AS620	
SN74AS623	Harris	CD74FCT623	
SN74AS640	Harris	CD74FCT640	
	National	DM74AS640	
SN74AS643	Harris	CD74FCT643	
SN74AS645	National	DM74AS645	
SN74AS646	Harris	CD74FCT646	
	National	DM74AS646	
SN74AS648	Harris	CD74FCT648	
SN74AS651	Harris	CD74FCT651	
	National	DM74AS651	
SN74AS652	Harris	CD74FCT652	
	National	DM74AS652	
SN74AS74	National	DM74AS74	
SN74AS804B	National	DM74AS804A	
SN74AS805B	National	DM74AS805A	
SN74AS808	National	DM74AS808A	
	TI	SN74AS808B	
SN74AS808B	National	DM74AS808A	
	TI	SN74AS808	
SN74AS821	AMD	AM29C821	
		AM29821	
	Harris	CD74FCT821	
SN74AS822	Harris	CD74FCT822	
SN74AS823	AMD	AM29C823	
		AM29823	
		AM29824	
	Harris	CD74FCT823	
SN74AS824	Harris	CD74FCT824	
SN74AS825	AMD	AM29825	
SN74AS826	AMD	AM29826	
SN74AS827	AMD	AM29C827	
SN74AS828	AMD	AM29C828	
SN74AS832B	National	DM74AS832A	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74AS841	AMD	AM29C841	
		AM29841	
	Harris	CD74FCT841	
SN74AS842	AMD	AM29842	
	Harris	CD74FCT842	
SN74AS843	AMD	AM29C843	
		AM29843	
	Harris	CD74FCT843	
SN74AS844	AMD	AM29844	
	Harris	CD74FCT844	
SN74AS845	AMD	AM29845	
SN74AS86	National	DM74AS86	
SN74AS873	National	DM74AS873	
SN74AS874	National	DM74AS874	
SN74AS876	National	DM74AS876	
SN74AS878	National	DM74AS878	
SN74AS879	National	DM74AS879	
SN74AS880	National	DM74AS880	
SN74AS881A	National	DM74AS881B	
SN74BCT240	Harris	CD74FCT240	
	IDT	IDT74FCT240	
SN74BCT241	Harris	CD74FCT241	
	IDT	IDT74FCT241	
SN74BCT244	Harris	CD74FCT244	
	IDT	IDT74FCT244	
SN74BCT245	Harris	CD74FCT245	
	IDT	IDT74FCT245	
SN74BCT2827			
	IDT	IDT74FBT827	
SN74BCT2828			
	IDT	IDT74FBT2828	
SN74BCT29821			
	AMD	AM29C821	
		AM29821	
	Harris	CD74FCT821	
	IDT	IDT74FCT821	
SN74BCT29822			
	Harris	CD74FCT822	
SN74BCT29823			
	AMD	AM29C823	
		AM29823	
	Harris	CD74FCT823	
	IDT	IDT74FCT823	
SN74BCT29824			
	Harris	CD74FCT824	
	IDT	IDT74FCT824	
SN74BCT29825			
	IDT	IDT74FCT825	
SN74BCT29827			
	AMD	AM29C827	
		AM29827	
	Harris	CD74FCT827	
	IDT	IDT74FCT827	
SN74BCT29828			
	AMD	AM29C828	
	Harris	CD74FCT828	
SN74BCT29833			
	AMD	AM29C833	
		AM29833	
SN74BCT29841			
	AMD	AM29C841	
	Harris	CD74FCT841	
	IDT	IDT74FCT841	
SN74BCT29842			
	Harris	CD74FCT842	
SN74BCT29843			
	AMD	AM29C843	
	IDT	IDT74FCT843	
SN74BCT29844			
	Harris	CD74FCT844	
	IDT	IDT74FCT844	
SN74BCT29845			
	IDT	IDT74FCT845	
SN74BCT29853			
	AMD	AM29C853	
		AM29853	
SN74BCT29861			
	AMD	AM29C861	
		AM29861	
	Harris	CD74FCT861	
	IDT	IDT74FCT861	
SN74BCT29862			
	Harris	CD74FCT862	
SN74BCT29863			
	AMD	AM29C863	
		AM29863	
	Harris	CD74FCT863	
	IDT	IDT74FCT863	
SN74BCT29864			
	Harris	CD74FCT864	
	IDT	IDT74FCT864	
SN74BCT373	Harris	CD74FCT373	
	IDT	IDT74FCT373	
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Texas Instruments (Cont'd)			
SN74BCT374	Harris	CD74FCT374	
	IDT	IDT74FCT374	
SN74BCT533	Harris	CD74FCT533	
SN74BCT534	Harris	CD74FCT534	
	IDT	IDT74FCT534	
SN74BCT540	Harris	CD74FCT540	
	IDT	IDT74FCT540	
SN74BCT541	Harris	CD74FCT541	
	IDT	IDT74FCT541	
SN74BCT543	Harris	CD74FCT543	
	IDT	IDT74FCT543	
SN74BCT544	Harris	CD74FCT544	
SN74BCT563	Harris	CD74FCT563	
SN74BCT564	Harris	CD74FCT564	
SN74BCT573	Harris	CD74FCT573	
SN74BCT623	Harris	CD74FCT623	
SN74BCT640	Harris	CD74FCT640	
	IDT	IDT74FCT640	
SN74BCT646	Harris	CD74FCT646	
	IDT	IDT74FCT646	
SN74BCT648	Harris	CD74FCT648	
SN74BCT651	Harris	CD74FCT651	
SN74BCT652	Harris	CD74FCT652	
	IDT	IDT74FCT652	
SN74BCT841	IDT	IDT74FCT841	
SN74BCT843	Harris	CD74FCT843	
SN74FCT574	Harris	CD74FCT574	
SN74F00	Mitsubishi	M74F00	
	Motorola	MC74F00	
	National	74F00	
	Signetics	74F00	
SN74F02	Mitsubishi	M74F02	
	Motorola	MC74F02	
	National	74F02	
	Signetics	74F02	
SN74F04	Mitsubishi	M74F04	
	Motorola	MC74F04	
	National	74F04	
	Signetics	74F04	
SN74F08	Mitsubishi	M74F08	
	Motorola	MC74F08	
	National	74F08	
	Signetics	74F08	
SN74F10	Mitsubishi	M74F10	
	Motorola	MC74F10	
	National	74F10	
	Signetics	74F10	
SN74F109	Mitsubishi	M74F109	
	Motorola	MC74F109	
	National	74F109	
	Signetics	74F109	
SN74F11	Mitsubishi	M74F11	
	Motorola	MC74F11	
	National	74F11	
	Signetics	74F11	
SN74F112	Mitsubishi	M74F112	
	Motorola	MC74F112	
	National	74F112	
	Signetics	74F112	
SN74F113	National	74F113	
	Signetics	74F113	
SN74F114	National	74F114	
	Signetics	74F114	
SN74F125	Mitsubishi	M74F125	
	Motorola	MC74F125	
	National	74F125	
	Signetics	74F125	
SN74F126	Motorola	MC74F126	
	Signetics	74F126	
SN74F138	Mitsubishi	M74F138	
	Motorola	MC74F138	
	National	74F138	
	Signetics	74F138	
SN74F148	Motorola	MC74F148	
	National	74F148	
	Signetics	74F148	
SN74F151	Mitsubishi	M74F151A	
	Motorola	MC74F151	
	National	74F151	
	Signetics	N74F151	
		N74F151A	
		74F151	
	TI	SN74F151A	
SN74F151A	Mitsubishi	M74F151A	
	Motorola	MC74F151	
	National	74F151	
	Signetics	N74F151	
		N74F151A	
		74F151	
	TI	SN74F151	
SN74F153	Mitsubishi	M74F153	
	Motorola	MC74F153	
	National	74F153	
	Signetics	74F153	
SN74F157A	Mitsubishi	M74F157A	
	Motorola	MC74F157	
		MC74F157A	
	National	74F157	
	Signetics	74F157	
SN74F158A	Mitsubishi	M74F158A	
	Motorola	MC74F158	
		MC74F158A	
	National	74F158	
	Signetics	N74F158A	
		74F158	
SN74F160A	Motorola	MC74F160A	
	National	74F160A	
	Signetics	74F160A	
SN74F161A	Mitsubishi	M74F161A	
	Motorola	MC74F161A	
	National	74F161A	
	Signetics	74F161A	
SN74F162A	Motorola	MC74F162A	
	National	74F162A	
	Signetics	74F162A	
SN74F163A	Mitsubishi	M74F163A	
	Motorola	MC74F163A	
	National	74F163A	
	Signetics	74F163A	
SN74F166	Signetics	74F166	
SN74F168	Motorola	MC74F168	
	National	74F168	
	Signetics	74F168	
SN74F169	Mitsubishi	M74F169	
	Motorola	MC74F169	
	National	74F169	
	Signetics	74F169	
SN74F174	Mitsubishi	M74F174	
	Motorola	MC74F174	
	National	74F174	
	Signetics	74F174	
SN74F175	Mitsubishi	M74F175	
	Motorola	MC74F175	
	National	74F175	
	Signetics	74F175	
SN74F190	National	74F190	
	Signetics	74F190	
SN74F191	National	74F191	
	Signetics	74F191	
SN74F192	National	74F192	
	Signetics	74F192	
SN74F193	National	74F193	
	Signetics	74F193	
SN74F20	Mitsubishi	M74F20	
	Motorola	MC74F20	
	National	74F20	
	Signetics	74F20	
SN74F21	Motorola	MC74F21	
		MV74F21	
SN74F240	Harris	CD74FCT240	
	Mitsubishi	M74F240	
	Motorola	MC74F240	
	National	74F240	
	Signetics	74F240	
SN74F241	Harris	CD74FCT241	
	Mitsubishi	M74F241	
	Motorola	MC74F241	
	National	74F241	
	Signetics	74F241	
SN74F242	Motorola	MC74F242	
	National	74F242	
	Signetics	74F242	
SN74F243	Motorola	MC74F243	
	National	74F243	
	Signetics	74F243	
SN74F244	Harris	CD74FCT244	
	Mitsubishi	M74F244	
	Motorola	MC74F244	
	National	74F244	
	Signetics	74F244	
SN74F245	Harris	CD74FCT245	
	Mitsubishi	M74F245	
	Motorola	MC74F245	
	National	74F245	
	Signetics	74F245	
SN74F251	Mitsubishi	M74F251A	
	Motorola	MC74F251	
	National	74F251	
	Signetics	N74F251A	
		74F251	
	TI	SN74F251A	
SN74F251A	Mitsubishi	M74F251A	
	Motorola	MC74F251	
		(Continued)	
SN74F251A			(Cont'd)
	National	74F251	
	Signetics	N74F251A	
		74F251	
	TI	SN74F251	
SN74F253	Mitsubishi	M74F253	
	Motorola	MC74F253	
	National	74F253	
	Signetics	74F253	
SN74F257	Mitsubishi	M74F257A	
	Motorola	MC74F257	
		MC74F257A	
	National	74F257	
	Signetics	N74F257A	
		74F257	
SN74F258	Mitsubishi	M74F258A	
	Motorola	MC74F258	
		MC74F258A	
	National	74F258	
	Signetics	N74F258A	
		74F258	
SN74F260	Signetics	74F260	
SN74F27	National	74F27	
SN74F273	Harris	CD74FCT273	
	Motorola	MC74F273	
	National	74F273	
	Signetics	74F273	
SN74F280A	Mitsubishi	M74F280	
	Motorola	MC74F280	
	National	74F280	
	Signetics	74F280A	
		74F280B	
SN74F283	Mitsubishi	M74F283	
	Motorola	MC74F283	
	National	74F283	
	Signetics	74F283	
SN74F299	Motorola	MC74F299	
	National	74F299	
	Signetics	74F299	
SN74F30	Mitsubishi	M74F30	
	National	74F30	
	Signetics	74F30	
SN74F32	Mitsubishi	M74F32	
	Motorola	MC74F32	
	National	74F32	
	Signetics	74F32	
SN74F323	Motorola	MC74F323	
	National	74F323	
	Signetics	74F323	
SN74F350	Motorola	MC74F350	
	National	74F350	
	Signetics	74F350	
SN74F352	Mitsubishi	M74F352	
	Motorola	MC74F352	
	National	74F352	
	Signetics	74F352	
SN74F353	Mitsubishi	M74F353	
	Motorola	MC74F353	
	National	74F353	
	Signetics	74F353	
SN74F37	Motorola	MC74F37	
	National	74F37	
	Signetics	74F37	
SN74F373	Harris	CD74FCT373	
	Mitsubishi	M74F373	
	Motorola	MC74F373	
	National	74F373	
	Signetics	74F373	
SN74F374	Harris	CD74FCT374	
	Mitsubishi	M74F374	
	Motorola	MC74F374	
	National	74F374	
	Signetics	74F374	
SN74F377	Harris	CD74FCT377	
	Motorola	MC74F377	
	National	74F377	
	Signetics	74F377	
SN74F378	Motorola	MC74F378	
	National	74F378	
	Signetics	74F378	
SN74F379	Motorola	MC74F379	
	National	74F379	
	Signetics	74F379	
SN74F38	Motorola	MC74F38	
	National	74F38	
	Signetics	74F38	
SN74F381	Motorola	MC74F381	
	National	74F381	
	Signetics	74F381	
SN74F382	Motorola	MC74F382	
	National	74F382	
	Signetics	74F382	
		(Continued)	
SN74F40	Motorola	MC74F40	
	National	74F40	
	Signetics	74F40	
SN74F455	Signetics	N74F455	
SN74F51	Motorola	MC74F51	
	National	74F51	
	Signetics	74F51	
SN74F521	Mitsubishi	M74F521	
	Motorola	MC74F521	
	National	74F521	
	Signetics	74F521	
SN74F533	Harris	CD74FCT533	
	Motorola	MC74F533	
	National	74F533	
	Signetics	74F533	
SN74F534	Harris	CD74FCT534	
	Motorola	MC74F534	
	National	74F534	
	Signetics	74F534	
SN74F540	Harris	CD74FCT540	
	National	74F540	
	Signetics	74F540	
SN74F541	Harris	CD74FCT541	
	National	74F541	
	Signetics	74F541	
SN74F543	Harris	CD74FCT543	
	Mitsubishi	M74F543	
	Motorola	MC74F543	
	National	74F543	
	Signetics	74F543	
SN74F544	Harris	CD74FCT544	
	National	74F544	
	Signetics	74F544	
SN74F563	Harris	CD74FCT563	
	National	74F563	
	Signetics	74F563	
SN74F564	Harris	CD74FCT564	
	National	74F564	
	Signetics	74F564	
SN74F568	National	74F568	
	Signetics	74F568	
SN74F569	National	74F569	
	Signetics	74F569	
SN74F573	Harris	CD74FCT573	
	Mitsubishi	M74F573	
	National	74F573	
	Signetics	74F573	
SN74F574	Harris	CD74FCT574	
	Mitsubishi	M74F574	
	National	74F574	
	Signetics	N74F574	
SN74F620	Motorola	MC74F620	
	National	74F620	
	Signetics	74F620	
SN74F621	Signetics	74F621	
SN74F622	Signetics	74F622	
SN74F623	Harris	CD74FCT623	
	Motorola	MC74F623	
	National	74F623	
	Signetics	74F623	
SN74F64	Motorola	MC74F64	
	National	74F64	
	Signetics	74F64	
SN74F646	Harris	CD74FCT646	
	Mitsubishi	M74F646	
	National	74F646	
	Signetics	N74F646A	
		74F646	**(3655)**
		74F646A	**(3655)**
SN74F657	Motorola	MC74F657A	
		MC74F657B	
	National	74F657	
	Signetics	74F657	
SN74F74	Mitsubishi	M74F74	
	Motorola	MC74F74	
	National	74F74	
	Signetics	74F74	
SN74F776	**Signetics**	**74F776**	**(3650)**
SN74F86	Mitsubishi	M74F86	
	Motorola	MC74F86	
	National	74F86	
	Signetics	74F86	
SN74HCT00	GoldStar	GD74HCT00	
	Harris	CD74HCT00	
	Mitsubishi	M74HCT00	
	Motorola	MC74HCT00A	
	National	MM74HCT00	
	Signetics	74HCT00	
	Toshiba	TC74HCT00A	
SN74HCT02	Harris	CD74HCT02	
	Signetics	74HCT02	
	Toshiba	TC74HCT02A	
		(Continued)	

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HCT08	GoldStar	GD74HCT08	
	Harris	CD74HCT08	
	Motorola	MC74HCT08A	
	National	MM74HCT08	
	Signetics	74HCT08	
	Toshiba	TC74HCT08A	
SN74HCT137	GEC Plessey	MV74HCT137	
		74HCT137	
	Harris	CD74HCT137	
	SGS-Thomson		
		M74HCT137	
	Signetics	74HCT137	
	Toshiba	TC74HCT137	
SN74HCT138	GEC Plessey	MV74HCT138	
		74HCT138	
	Harris	CD74HCT138	
	Hitachi	HD74HCT138	
	Mitsubishi	M74HCT138-1	
	Motorola	MC74HCT138A	
	National	MM74HCT138	
	SGS-Thomson		
		M74HCT138	
	Signetics	74HCT138	
	Toshiba	TC74HCT138A	
SN74HCT139	GEC Plessey	MV74HCT139	
		74HCT139	
	Harris	CD74HCT139	
	Mitsubishi	M74HCT139-1	
	National	MM74HCT139	
	Signetics	74HCT139	
	Toshiba	TC74HCT139A	
SN74HCT189	Cypress	CY7C189	
SN74HCT237	GEC Plessey	MV74HCT237	
		74HCT237	
	Harris	CD74HCT237	
	Signetics	74HCT237	
SN74HCT238	GEC Plessey	MV74HCT238	
		74HCT238	
	Harris	CD74HCT238	
	Hitachi	HD74HCT238	
	Signetics	74HCT238	
SN74HCT240	GEC Plessey	MV74HCT240	
		74HCT240	
	Harris	CD74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240	
		M74HCT240-1	
	Motorola	MC74HCT240A	
	National	MM74HCT240	
	SGS-Thomson		
		M74HCT240	
	Signetics	74HCT240	
	Toshiba	TC74HCT240A	
SN74HCT241	GEC Plessey	MV74HCT241	
		74HCT241	
	Harris	CD74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241	
		M74HCT241-1	
	Motorola	MC74HCT241A	
	National	MM74HCT241	
	SGS-Thomson		
		M74HCT241	
	Signetics	74HCT241	
	Toshiba	TC74HCT241A	
SN74HCT242	Harris	CD74HCT242	
	Hitachi	HD74HCT242	
	Signetics	74HCT242	
SN74HCT243	Harris	CD74HCT243	
	Hitachi	HD74HCT243	
	Signetics	74HCT243	
SN74HCT244	GEC Plessey	MV74HCT244	
		74HCT244	
	Harris	CD74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244	
		M74HCT244-1	
	Motorola	MC74HCT244A	
	National	MM74HCT244	
	SGS-Thomson		
		M74HCT244	
	Signetics	74HCT244	
	Toshiba	TC74HCT244A	
SN74HCT245	GEC Plessey	MV74HCT245	
		74HCT245	
	Harris	CD74HCT245	
	Hitachi	HD74HCT245	
	Mitsubishi	M74HCT245-1	
	Motorola	MC74HCT245A	
	National	MM74HCT245	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HCT245			(Cont'd)
	SGS-Thomson		
		M74HCT245	
	Signetics	74HCT245	
	Toshiba	TC74HCT245A	
SN74HCT32	GoldStar	GD74HCT32	
	Harris	CD74HCT32	
	Motorola	MC74HCT32A	
	National	MM74HCT32	
	Signetics	74HCT32	
	Toshiba	TC74HCT32A	
SN74HCT373	GEC Plessey	MV74HCT373	
		74HCT373	
	GoldStar	GD74HCT373	
	Harris	CD74HCT373	
	Hitachi	HD74HCT373	
	Mitsubishi	M74HCT373-1	
	Motorola	MC74HCT373A	
	National	MM74HCT373	
	SGS-Thomson		
		M74HCT373	
	Signetics	74HCT373	
	Toshiba	TC74HCT373A	
SN74HCT374	GEC Plessey	MV74HCT374	
		74HCT374	
	GoldStar	GD74HCT374	
	Harris	CD74HCT374	
	Hitachi	HD74HCT374	
	Mitsubishi	M74HCT374-1	
	Motorola	MC74HCT374A	
	National	MM74HCT374	
	SGS-Thomson		
		M74HCT374	
	Signetics	74HCT374	
	Toshiba	TC74HCT374A	
SN74HCT533	GEC Plessey	MV74HCT533	
		74HCT533	
	Harris	CD74HCT533	
	Hitachi	HD74HCT533	
	Mitsubishi	M74HCT533-1	
	Motorola	MC74HCT533A	
	National	MM74HCT533	
	SGS-Thomson		
		M74HCT533	
	Signetics	74HCT533	
	Toshiba	TC74HCT533A	
SN74HCT534	GEC Plessey	MV74HCT534	
		74HCT534	
	Harris	CD74HCT534	
	Hitachi	HD74HCT534	
	Mitsubishi	M74HCT534-1	
	Motorola	MC74HCT534A	
	National	MM74HCT534	
	SGS-Thomson		
		M74HCT534	
	Signetics	74HCT534	
	Toshiba	TC74HCT534A	
SN74HCT540	GEC Plessey	MV74HCT540	
		74HCT540	
	Harris	CD74HCT540	
	Motorola	MC74HCT540	
	National	MM74HCT540	
	SGS-Thomson		
		M74HCT540	
	Signetics	74HCT540	
	Toshiba	TC74HCT540A	
SN74HCT541	GEC Plessey	MV74HCT541	
		74HCT541	
	Harris	CD74HCT541	
	National	MM74HCT541	
	SGS-Thomson		
		M74HCT541	
	Signetics	74HCT541	
	Toshiba	TC74HCT541A	
SN74HCT563	GEC Plessey	MV74HCT563	
		74HCT563	
	Harris	CD74HCT563	
	SGS-Thomson		
		M74HCT563	
	Signetics	74HCT563	
	Toshiba	TC74HCT563A	
SN74HCT564	GEC Plessey	MV74HCT564	
		74HCT564	
	Harris	CD74HCT564	
	National	MM74HCT564	
	SGS-Thomson		
		M74HCT564	
	Signetics	74HCT564	
	Toshiba	TC74HCT564A	
SN74HCT573	GEC Plessey	MV74HCT573	
		74HCT573	
	Harris	CD74HCT573	
	Motorola	MC74HCT573A	
	National	MM74HCT573	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HCT573			(Cont'd)
	SGS-Thomson		
		M74HCT573	
	Signetics	74HCT573	
	Toshiba	TC74HCT573A	
SN74HCT574	GEC Plessey	MV74HCT574	
		74HCT574	
	Harris	CD74HCT574	
	Motorola	MC74HCT574A	
	National	MM74HCT574	
	SGS-Thomson		
		M74HCT574	
	Signetics	74HCT574	
	Toshiba	TC74HCT574A	
SN74HCT640	Harris	CD74HCT640	
	Mitsubishi	M74HCT640-1	
	Motorola	MC74HCT640A	
	National	MM74HCT640	
	SGS-Thomson		
		M74HCT640	
	Signetics	74HCT640	
	Toshiba	TC74HCT640A	
	Universal	US74HCT640	
SN74HCT643	Harris	CD74HCT643	
	Mitsubishi	M74HCT643-1	
	National	MM74HCT643	
	SGS-Thomson		
		M74HCT643	
	Signetics	74HCT643	
	Toshiba	TC74HCT643A	
SN74HCT645	Mitsubishi	M74HCT645-1	
SN74HCT646	Harris	CD74HCT646	
	Motorola	MC74HCT646	
	SGS-Thomson		
		M74HCT646	
	Signetics	74HCT646	
	Toshiba	TC74HCT646A	
SN74HCT648	Harris	CD74HCT648	
	SGS-Thomson		
		M74HCT648	
	Signetics	74HCT648	
	Toshiba	TC74HCT648A	
SN74HCT651	Harris	CD74HCT651	
	SGS-Thomson		
		M74HCT651	
	Toshiba	TC74HCT651A	
SN74HCT652	Harris	CD74HCT652	
	SGS-Thomson		
		M74HCT652	
	Toshiba	TC74HCT652A	
SN74HCT74	Harris	CD74HCT74	
	Motorola	MC74HCT74A	
	National	MM74HCT74	
	SGS-Thomson		
		M74HCT74	
	Signetics	74HCT74	
	Toshiba	TC74HCT74A	
SN74HCT9510			
	Waferscale	**WS59510**	**(3753)**
SN74HC00	GoldStar	GD74HC00	
	Harris	CD74HC00	
	Hitachi	HD74HC00	
	Motorola	MC74HC00A	
	National	MM74HC00	
	NJR	NJU74HC00	
	SGS-Thomson		
		M74HC00	
	Sharp	LR74HC00	
	Signetics	74HC00	
	Toshiba	TC74HC00A	
SN74HC01	Hitachi	HD74HC01	
SN74HC02	GoldStar	GD74HC02	
	Harris	CD74HC02	
	Hitachi	HD74HC02	
	Motorola	MC74HC02A	
	National	MM74HC02	
	NJR	NJU74HC02	
	SGS-Thomson		
		M74HC02	
	Sharp	LR74HC02	
	Signetics	74HC02	
	Toshiba	TC74HC02A	
SN74HC03	Harris	CD74HC03	
	Motorola	MC74HC03A	
	National	MM74HC03	
	NJR	NJU74HC03	
	SGS-Thomson		
		M74HC03	
	Sharp	LR74HC03	
	Signetics	74HC03	
	Toshiba	TC74HC03A	
SN74HC04	Harris	CD74HC04	
	Hitachi	HD74HC04	
	Motorola	MC74HC04A	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HC04			(Cont'd)
	National	MM74HC04	
	NJR	NJU74HC04	
	SGS-Thomson		
		M74HC04	
	Sharp	LR74HC04	
	Signetics	74HC04	
	Toshiba	TC74HC04A	
SN74HC05	National	MM74HC05	
	NJR	NJU74HC05	
SN74HC08	Harris	CD74HC08	
	Hitachi	HD74HC08	
	Motorola	MC74HC08A	
	National	MM74HC08	
	NJR	NJU74HC08	
	SGS-Thomson		
		M74HC08	
	Sharp	LR74HC08	
	Signetics	74HC08	
	Toshiba	TC74HC08A	
SN74HC09	Hitachi	HD74HC09	
	Mitsubishi	M74HC09	
	NJR	NJU74HC09	
	Toshiba	TC74HC09A	
SN74HC10	Harris	CD74HC10	
	Hitachi	HD74HC10	
	Motorola	MC74HC10	
	National	MM74HC10	
	NJR	NJU74HC10	
	SGS-Thomson		
		M74HC10	
	Sharp	LR74HC10	
	Signetics	74HC10	
	Toshiba	TC74HC10A	
SN74HC107	Harris	CD74HC107	
	Hitachi	HD74HC107	
	Motorola	MC74HC107	
	National	MM74HC107	
	SGS-Thomson		
		M74HC107	
	Sharp	LR74HC107	
	Signetics	74HC107	
	Toshiba	TC74HC107A	
SN74HC109	Harris	CD74HC109	
	Hitachi	HD74HC109	
	Motorola	MC74HC109	
	National	MM74HC109	
	NJR	NJU74HC109	
	SGS-Thomson		
		M74HC109	
	Sharp	LR74HC109	
	Signetics	74HC109	
	Toshiba	TC74HC109A	
SN74HC11	Harris	CD74HC11	
	Hitachi	HD74HC11	
	Motorola	MC74HC11	
	National	MM74HC11	
	NJR	NJU74HC11	
	SGS-Thomson		
		M74HC11	
	Sharp	LR74HC11	
	Signetics	74HC11	
	Toshiba	TC74HC11A	
SN74HC112	Harris	CD74HC112	
	Hitachi	HD74HC112	
	Motorola	MC74HC112	
	National	MM74HC112	
	NJR	NJU74HC112	
	SGS-Thomson		
		M74HC112	
	Sharp	LR74HC112	
	Signetics	74HC112	
	Toshiba	TC74HC112A	
SN74HC113	Hitachi	HD74HC113	
	Mitsubishi	M74HC113	
	Motorola	MC74HC113	
	National	MM74HC113	
	NJR	NJU74HC113	
	SGS-Thomson		
		M74HC113	
	Sharp	LR74HC113	
	Toshiba	TC74HC113A	
SN74HC114	Hitachi	HD74HC114	
	Mitsubishi	M74HC114	
	NJR	NJU74HC114	
SN74HC125	Harris	CD74HC125	
	Hitachi	HD74HC125	
	Motorola	MC74HC125A	
	National	MM74HC125	
	SGS-Thomson		
		M74HC125	
	Signetics	74HC125	
	Toshiba	TC74HC125A	

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HC126	Harris	CD74HC126	
	Hitachi	HD74HC126	
	Motorola	MC74HC126A	
	National	MM74HC126	
	SGS-Thomson	M74HC126	
	Signetics	74HC126	
	Toshiba	TC74HC126A	
SN74HC132	Harris	CD74HC132	
	Hitachi	HD74HC132	
	Motorola	MC74HC132A	
	National	MM74HC132	
	NJR	NJU74HC132	
	SGS-Thomson	M74HC132	
	Sharp	LR74HC132	
	Signetics	74HC132	
	Toshiba	TC74HC132A	
SN74HC133	Hitachi	HD74HC133	
	Motorola	MC74HC133	
	National	MM74HC133	
	SGS-Thomson	M74HC133	
	Toshiba	TC74HC133A	
SN74HC137	Harris	CD74HC137	
	Hitachi	HD74HC137	
	Mitsubishi	M74HC137	
	Motorola	MC74HC137	
	National	MM74HC137	
	NJR	NJU74HC137	
	SGS-Thomson	M74HC137	
	Sharp	LR74HC137	
	Signetics	74HC137	
	Toshiba	TC74HC137A	
SN74HC138	Harris	CD74HC138	
	Hitachi	HD74HC138	
	Mitsubishi	M74HC138-1	
	Motorola	MC74HC138A	
	National	MM74HC138	
	NJR	NJU74HC138	
	SGS-Thomson	M74HC138	
	Sharp	LR74HC138	
	Signetics	74HC138	
	Toshiba	TC74HC138A	
SN74HC139	Harris	CD74HC139	
	Hitachi	HD74HC139	
	Mitsubishi	M74HC139-1	
	Motorola	MC74HC139A	
	National	MM74HC139	
	NJR	NJU74HC139	
	SGS-Thomson	M74HC139	
	Sharp	LR74HC139	
	Signetics	74HC139	
	Toshiba	TC74HC139A	
SN74HC14	Harris	CD74HC14	
	Hitachi	HD74HC14	
	Mitsubishi	M74HC14	
	Motorola	MC74HC14A	
	National	MM74HC14	
	NJR	NJU74HC14	
	SGS-Thomson	M74HC14	
	Sharp	LR74HC14	
	Signetics	74HC14	
	Toshiba	TC74HC14A	
SN74HC147	Harris	CD74HC147	
	Hitachi	HD74HC147	
	Motorola	MC74HC147	
	National	MM74HC147	
	SGS-Thomson	M74HC147	
	Sharp	LR74HC147	
	Signetics	74HC147	
	Toshiba	TC74HC147A	
SN74HC148	Hitachi	HD74HC148	
	National	MM74HC148	
	SGS-Thomson	M74HC148	
	Toshiba	TC74HC148A	
SN74HC151	Harris	CD74HC151	
	Hitachi	HD74HC151	
	Motorola	MC74HC151	
	National	MM74HC151	
	NJR	NJU74HC151	
	SGS-Thomson	M74HC151	
	Sharp	LR74HC151	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HC151			(Cont'd)
	Signetics	74HC151	
	Toshiba	TC74HC151A	
SN74HC152	Hitachi	HD74HC152	
SN74HC153	Harris	CD74HC153	
	Hitachi	HD74HC153	
	Motorola	MC74HC153	
	National	MM74HC153	
	NJR	NJU74HC153	
	SGS-Thomson	M74HC153	
	Sharp	LR74HC153	
	Signetics	74HC153	
	Toshiba	TC74HC153A	
	Universal	US74HC153	
SN74HC154	Harris	CD74HC154	
	Hitachi	HD74HC154	
	Motorola	MC74HC154	
	National	MM74HC154	
	SGS-Thomson	M74HC154	
	Signetics	74HC154	
	Toshiba	TC74HC154A	
	Universal	US74HC154	
SN74HC157	Harris	CD74HC157	
	Hitachi	HD74HC157	
	Motorola	MC74HC157A	
	National	MM74HC157	
	SGS-Thomson	M74HC157	
	Sharp	LR74HC157	
	Signetics	74HC157	
	Toshiba	TC74HC157A	
	Universal	US74HC157	
SN74HC158	Harris	CD74HC158	
	Hitachi	HD74HC158	
	National	MM74HC158	
	SGS-Thomson	M74HC158	
	Sharp	LR74HC158	
	Signetics	74HC158	
	Toshiba	TC74HC158A	
	Universal	US74HC158	
SN74HC160	Harris	CD74HC160	
	Hitachi	HD74HC160	
	Mitsubishi	M74HC160	
	Motorola	MC74HC160	
	National	MM74HC160	
	NJR	NJU74HC160	
	SGS-Thomson	M74HC160	
	Sharp	LR74HC160	
	Signetics	74HC160	
	Toshiba	TC74HC160A	
	Universal	US74HC160	
SN74HC161	Harris	CD74HC161	
	Hitachi	HD74HC161	
	National	MM74HC161	
	NJR	NJU74HC161	
	SGS-Thomson	M74HC161	
	Sharp	LR74HC161	
	Signetics	74HC161	
	Toshiba	TC74HC161A	
	Universal	US74HC161	
SN74HC162	Harris	CD74HC162	
	Hitachi	HD74HC162	
	Mitsubishi	M74HC162	
	Motorola	MC74HC162	
	National	MM74HC162	
	NJR	NJU74HC162	
	SGS-Thomson	M74HC162	
	Sharp	LR74HC162	
	Signetics	74HC162	
	Toshiba	TC74HC162A	
	Universal	US74HC162	
SN74HC163	Harris	CD74HC163	
	Hitachi	HD74HC163	
	National	MM74HC163	
	NJR	NJU74HC163	
	Panasonic	MN74HC163	
	SGS-Thomson	M74HC163	
	Sharp	LR74HC163	
	Signetics	74HC163	
	Toshiba	TC74HC163A	
	Universal	US74HC163	
SN74HC164	Harris	CD74HC164	
	Hitachi	HD74HC164	
	Motorola	MC74HC164	
	National	MM74HC164	
	NJR	NJU74HC164	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HC164			(Cont'd)
	SGS-Thomson	M74HC164	
	Sharp	LR74HC164	
	Signetics	74HC164	
	Toshiba	TC74HC164A	
	Universal	US74HC164	
SN74HC165	Harris	CD74HC165	
	Hitachi	HD74HC165	
	Motorola	MC74HC165	
	National	MM74HC165	
	NJR	NJU74HC165	
	SGS-Thomson	M74HC165	
	Sharp	LR74HC165	
	Signetics	74HC165	
	Toshiba	TC74HC165A	
	Universal	US74HC165	
SN74HC166	Harris	CD74HC166	
	Hitachi	HD74HC166	
	National	MM74HC166	
	NJR	NJU74HC166	
	SGS-Thomson	M74HC166	
	Signetics	74HC166	
	Toshiba	TC74HC166A	
SN74HC173	Harris	CD74HC173	
	Hitachi	HD74HC173	
	Motorola	MC74HC173	
	National	MM74HC173	
	SGS-Thomson	M74HC173	
	Sharp	LR74HC173	
	Signetics	74HC173	
	Toshiba	TC74HC173A	
	Universal	US74HC173	
SN74HC174	Harris	CD74HC174	
	Hitachi	HD74HC174	
	Motorola	MC74HC174A	
	National	MM74HC174	
	NJR	NJU74HC174	
	SGS-Thomson	M74HC174	
	Sharp	LR74HC174	
	Signetics	74HC174	
	Toshiba	TC74HC174A	
	Universal	US74HC174	
SN74HC175	Harris	CD74HC175	
	Hitachi	HD74HC175	
	Motorola	MC74HC175	
	National	MM74HC175	
	NJR	NJU74HC175	
	SGS-Thomson	M74HC175	
	Sharp	LR74HC175	
	Signetics	74HC175	
	Toshiba	TC74HC175A	
	Universal	US74HC175	
SN74HC189	Cypress	CY7C189	
SN74HC190	Harris	CD74HC190	
	Hitachi	HD74HC190	
	Mitsubishi	74HC190	
	National	MM74HC190	
	SGS-Thomson	M74HC190	
	Signetics	74HC190	
	Toshiba	TC74HC190A	
	Universal	US74HC190	
SN74HC191	GoldStar	GD74HC191	
	Harris	CD74HC191	
	Hitachi	HD74HC191	
	Mitsubishi	M74HC191	
	National	MM74HC191	
	SGS-Thomson	M74HC191	
	Signetics	74HC191	
	Toshiba	TC74HC191A	
	Universal	US74HC191	
SN74HC192	Harris	CD74HC192	
	Hitachi	HD74HC192	
	Mitsubishi	M74HC192	
	National	MM74HC192	
	NJR	NJU74HC192	
	SGS-Thomson	M74HC192	
	Signetics	74HC192	
	Toshiba	TC74HC192A	
	Universal	US74HC192	
SN74HC193	Harris	CD74HC193	
	Hitachi	HD74HC193	
	Mitsubishi	M74HC193	
	National	MM74HC193	
	SGS-Thomson	M74HC193	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HC193			(Cont'd)
	Signetics	74HC193	
	Toshiba	TC74HC193A	
	Universal	US74HC193	
SN74HC194	Harris	CD74HC194	
	Hitachi	HD74HC194	
	Mitsubishi	M74HC194	
	Motorola	MC74HC194	
	National	MM74HC194	
	NJR	NJU74HC194	
	SGS-Thomson	M74HC194	
	Sharp	LR74HC194	
	Signetics	74HC194	
	Toshiba	TC74HC194A	
	Universal	US74HC194	
SN74HC195	Harris	CD74HC195	
	Hitachi	HD74HC195	
	Mitsubishi	M74HC195	
	Motorola	MC74HC195	
	National	MM74HC195	
	NJR	NJU74HC195	
	SGS-Thomson	M74HC195	
	Sharp	LR74HC195	
	Signetics	74HC195	
	Toshiba	TC74HC195A	
	Universal	US74HC195	
SN74HC20	Harris	CD74HC20	
	Hitachi	HD74HC20	
	Mitsubishi	M74HC20	
	Motorola	MC74HC20	
	National	MM74HC20	
	NJR	NJU74HC20	
	SGS-Thomson	M74HC20	
	Sharp	LR74HC20	
	Signetics	74HC20	
	Toshiba	TC74HC20A	
	Universal	US74HC20	
SN74HC21	Harris	CD74HC21	
	Hitachi	HD74HC21	
	NJR	NJU74HC21	
	SGS-Thomson	M74HC21	
	Signetics	74HC21	
	Toshiba	TC74HC21A	
	Universal	US74HC21	
SN74HC219	Cypress	CY7C190	
SN74HC237	Harris	CD74HC237	
	Hitachi	HD74HC237	
	Mitsubishi	M74HC237	
	Motorola	MC74HC237	
	National	MM74HC237	
	NJR	NJU74HC237	
	SGS-Thomson	M74HC237	
	Signetics	74HC237	
	Toshiba	TC74HC237A	
SN74HC238	Harris	CD74HC238	
	Hitachi	HD74HC238	
	National	MM74HC238	
	NJR	NJU74HC238	
	SGS-Thomson	M74HC238	
	Signetics	74HC238	
	Toshiba	TC74HC238A	
SN74HC239	NJR	NJU74HC239	
SN74HC240	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson	M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
	Toshiba	TC74HC240A	
SN74HC241	Harris	CD74HC241	
	Hitachi	HD74HC241	
	Mitsubishi	M74HC241	
	Motorola	MC74HC241A	
	National	MM74HC241	
	NJR	NJU74HC241	
	SGS-Thomson	M74HC241	
		M74HC241HV	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Texas Instruments (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HC241			(Cont'd)
	Sharp	LR74HC241	
	Signetics	74HC241	
	Toshiba	TC74HC241A	
SN74HC242	Harris	CD74HC242	
	Hitachi	HD74HC242	
	Mitsubishi	M74HC242	
	Motorola	MC74HC242	
	National	MM74HC242	
	SGS-Thomson		
		M74HC242	
	Sharp	LR74HC242	
	Signetics	74HC242	
	Toshiba	TC74HC242A	
SN74HC243	Harris	CD74HC243	
	Mitsubishi	M74HC243	
	National	MM74HC243	
	SGS-Thomson		
		M74HC243	
	Sharp	LR74HC243	
	Signetics	74HC243	
	Toshiba	TC74HC243A	
SN74HC244	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
	Motorola	MC74HC244A	
	National	MM74HC244	
	NJR	NJU74HC244	
	SGS-Thomson		
		M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	Toshiba	TC74HC244A	
SN74HC245	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
	National	MM74HC245	
		MM74HC245A	
	NJR	NJU74HC245	
	SGS-Thomson		
		M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	Toshiba	TC74HC245A	
SN74HC251	Harris	CD74HC251	
	Hitachi	HD74HC251	
	Mitsubishi	M74HC251	
	Motorola	MC74HC251	
	National	MM74HC251	
	SGS-Thomson		
		M74HC251	
	Sharp	LR74HC251	
	Signetics	74HC251	
	Toshiba	TC74HC251A	
SN74HC253	Harris	CD74HC253	
	Hitachi	HD74HC253	
	Mitsubishi	M74HC253	
	Motorola	MC74HC253	
	National	MM74HC253	
	NJR	NJU74HC253	
	SGS-Thomson		
		M74HC253	
	Sharp	LR74HC253	
	Signetics	PC74HC253	
	Toshiba	TC74HC253	
SN74HC257	Harris	CD74HC257	
	Hitachi	HD74HC257	
	Mitsubishi	M74HC257	
	Motorola	MC74HC257	
	National	MM74HC257	
	SGS-Thomson		
		M74HC257	
	Sharp	LR74HC257	
	Signetics	74HC257	
	Toshiba	TC74HC257A	
SN74HC258	Harris	CD74HC258	
	Hitachi	HD74HC258	
	National	MM74HC258	
	SGS-Thomson		
		M74HC258	
	Signetics	74HC258	
	Toshiba	TC74HC258A	
SN74HC259	Harris	CD74HC259	
	Hitachi	HD74HC259	
	Mitsubishi	M74HC259	
	Motorola	MC74HC259	
	National	MM74HC259	
			(Continued)
SN74HC259			(Cont'd)
	NJR	NJU74HC259	
	SGS-Thomson		
		M74HC259	
	Sharp	LR74HC259	
	Signetics	74HC259	
	Toshiba	TC74HC259A	
SN74HC266	Mitsubishi	M74HC266	
		M74HC266A	
	National	MM74HC266	
	NJR	NJU74HC266	
	SGS-Thomson		
		M74HC266	
	Sharp	LR74HC266	
SN74HC27	Harris	CD74HC27	
	Hitachi	HD74HC27	
	Mitsubishi	M74HC27	
	Motorola	MC74HC27	
	National	MM74HC27	
	NJR	NJU74HC27	
	SGS-Thomson		
		M74HC27	
	Sharp	LR74HC27	
	Signetics	74HC27	
	Toshiba	TC74HC27A	
SN74HC273	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson		
		M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	Toshiba	TC74HC273A	
SN74HC280	Harris	CD74HC280	
	Hitachi	HD74HC280	
	Mitsubishi	M74HC280	
	Motorola	MC74HC280	
	National	MM74HC280	
	SGS-Thomson		
		M74HC280	
	Sharp	LR74HC280	
	Signetics	74HC280	
	Toshiba	TC74HC280A	
SN74HC283	Harris	CD74HC283	
	Mitsubishi	M74HC283	
	National	MM74HC283	
	SGS-Thomson		
		M74HC283	
	Signetics	74HC283	
	Toshiba	TC74HC283A	
SN74HC298	Hitachi	HD74HC298	
	Motorola	MC74HC298	
	National	MM74HC298	
	SGS-Thomson		
		M74HC298	
	Toshiba	TC74HC298A	
SN74HC299	Harris	CD74HC299	
	Motorola	MC74HC299	
	National	MM74HC299	
	SGS-Thomson		
		M74HC299	
	Sharp	LR74HC299	
	Signetics	74HC299	
	Toshiba	TC74HC299A	
SN74HC30	Harris	CD74HC30	
	Hitachi	HD74HC30	
	Mitsubishi	M74HC30	
	Motorola	MC74HC30	
	National	MM74HC30	
	SGS-Thomson		
		M74HC30	
	Sharp	LR74HC30	
	Signetics	74HC30	
	Toshiba	TC74HC30A	
SN74HC32	Harris	CD74HC32	
	Hitachi	HD74HC32	
	Mitsubishi	M74HC32	
	Motorola	MC74HC32A	
	National	MM74HC32	
	NJR	NJU74HC32	
	SGS-Thomson		
		M74HC32	
	Sharp	LR74HC32	
	Signetics	74HC32	
	Toshiba	TC74HC32A	
SN74HC352	NJR	NJU74HC352	
	SGS-Thomson		
		M74HC352	
	Toshiba	TC74HC352	
			(Continued)
SN74HC353	Hitachi	HD74HC353	
	NJR	NJU74HC353	
	SGS-Thomson		
		M74HC353	
	Toshiba	TC74HC353A	
SN74HC354	Harris	CD74HC354	
	Hitachi	HD74HC354	
	Motorola	MC74HC354	
	National	MM74HC354	
	SGS-Thomson		
		M74HC354	
	Sharp	LR74HC354	
	Signetics	74HC354	
	Toshiba	TC74HC354A	
SN74HC356	Harris	CD74HC356	
	Hitachi	HD74HC356	
	National	MM74HC356	
	SGS-Thomson		
		M74HC356	
	Sharp	LR74HC356	
	Signetics	74HC356	
	Toshiba	TC74HC356A	
SN74HC365	GoldStar	GD74HC365	
	Harris	CD74HC365	
	Hitachi	HD74HC365	
	Motorola	MC74HC365	
	National	MM74HC365	
	SGS-Thomson		
		M74HC365	
	Sharp	LR74HC365	
	Signetics	74HC365	
	Toshiba	TC74HC365A	
SN74HC366	GoldStar	GD74HC366	
	Harris	CD74HC366	
	Hitachi	HD74HC366	
	Motorola	MC74HC366	
	National	MM74HC366	
	SGS-Thomson		
		M74HC366	
	Sharp	LR74HC366	
	Signetics	74HC366	
	Toshiba	TC74HC366A	
SN74HC367	GoldStar	GD74HC367	
	Harris	CD74HC367	
	Hitachi	HD74HC367	
	Mitsubishi	M74HC367	
	Motorola	MC74HC367	
	National	MM74HC367	
	SGS-Thomson		
		M74HC367	
	Signetics	74HC367	
	Toshiba	TC74HC367A	
SN74HC368	GoldStar	GD74HC368	
	Harris	CD74HC368	
	Hitachi	HD74HC368	
	Motorola	MC74HC368	
	National	MM74HC368	
	SGS-Thomson		
		M74HC368	
	Sharp	LR74HC368	
	Signetics	74HC368	
	Toshiba	TC74HC368A	
SN74HC373	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	National	MM74HC373	
	NJR	NJU74HC373	
	SGS-Thomson		
		M74HC373	
	Sharp	LR74HC373	
	Signetics	74HC373	
	Toshiba	TC74HC373A	
SN74HC374	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	National	MM74HC374	
	NJR	NJU74HC374	
	SGS-Thomson		
		M74HC374	
	Sharp	LR74HC374	
	Signetics	74HC374	
	Toshiba	TC74HC374A	
SN74HC375	Hitachi	HD74HC375	
	NJR	NJU74HC375	
	SGS-Thomson		
		M74HC375	
	Toshiba	TC74HC375A	
SN74HC377	Harris	CD74HC377	
	Hitachi	HD74HC377	
	NJR	NJU74HC377	
			(Continued)
SN74HC377			(Cont'd)
	SGS-Thomson		
		M74HC377	
	Signetics	74HC377	
	Toshiba	TC74HC377A	
SN74HC378	NJR	NJU74HC378	
SN74HC379	NJR	NJU74HC379	
SN74HC386	Hitachi	HD74HC386	
	SGS-Thomson		
		M74HC386	
	Toshiba	TC74HC386A	
SN74HC390	Harris	CD74HC390	
	Hitachi	HD74HC390	
	Motorola	MC74HC390	
	National	MM74HC390	
	NJR	NJU74HC390	
	SGS-Thomson		
		M74HC390	
	Sharp	LR74HC390	
	Signetics	74HC390	
	Toshiba	TC74HC390A	
SN74HC393	Harris	CD74HC393	
	Hitachi	HD74HC393	
	Motorola	MC74HC393	
	National	MM74HC393	
	NJR	NJU74HC393	
	SGS-Thomson		
		M74HC393	
	Sharp	LR74HC393	
	Signetics	74HC393	
	Toshiba	TC74HC393A	
SN74HC4002	Harris	CD74HC4002	
	Mitsubishi	M74HC4002	
	Motorola	MC74HC4002	
	National	MM74HC4002	
	NJR	NJU74HC4002	
	SGS-Thomson		
		M74HC4002	
	Sharp	LR74HC4002	
	Signetics	74HC4002	
	Toshiba	TC74HC4002A	
SN74HC4017	Harris	CD74HC4017	
	Hitachi	HD74HC4017	
	Motorola	MC74HC4017	
	National	MM74HC4017	
	SGS-Thomson		
		M74HC4017	
	Signetics	74HC4017	
	Toshiba	TC74HC4017A	
SN74HC4020	Harris	CD74HC4020	
	Hitachi	HD74HC4020	
	Mitsubishi	M74HC4020	
	National	MM74HC4020	
	NJR	NJU74HC4020	
	SGS-Thomson		
		M74HC4020	
	Signetics	74HC4020	
	Toshiba	TC74HC4020A	
SN74HC4022	Hitachi	HD74HC4022	
	SGS-Thomson		
		M74HC4022	
	Toshiba	TC74HC4022A	
SN74HC4024	Harris	CD74HC4024	
	Hitachi	HD74HC4024	
	Mitsubishi	M74HC4024	
	Motorola	MC74HC4024	
	National	MM74HC4024	
	SGS-Thomson		
		M74HC4024	
	Sharp	LR74HC4024	
	Signetics	74HC4024	
	Toshiba	TC74HC4024A	
SN74HC4040	Harris	CD74HC4040	
	Hitachi	HD74HC4040	
	Mitsubishi	M74HC4040	
	National	MM74HC4040	
	NJR	NJU74HC4040	
	SGS-Thomson		
		M74HC4040	
	Signetics	74HC4040	
	Toshiba	TC74HC4040A	
SN74HC4060	Harris	CD74HC4060	
	Hitachi	HD74HC4060	
	National	MM74HC4060	
	SGS-Thomson		
		M74HC4060	
	Signetics	74HC4060	
	Toshiba	TC74HC4060A	
SN74HC4066	Harris	CD74HC4066	
	Motorola	MC74HC4066	
	National	MM74HC4066	
	NJR	NJU74HC4066	
	SGS-Thomson		
		M74HC4066	
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Texas Instruments (Cont'd)			
SN74HC4066			(Cont'd)
	Signetics	74HC4066	
	Toshiba	TC74HC4066A	
SN74HC4075	Harris	CD74HC4075	
	Mitsubishi	M74HC4075	
	Motorola	MC74HC4075	
	National	MM74HC4075	
	SGS-Thomson		
		M74HC4075	
	Sharp	LR74HC4075	
	Signetics	74HC4075	
	Toshiba	TC74HC4075A	
SN74HC4078A			
	Mitsubishi	M74HC4078	
	Motorola	MC74HC4078	
	National	MM74HC4078	
	SGS-Thomson		
		M74HC4078	
	Sharp	LR74HC4078	
	Toshiba	TC74HC4078A	
SN74HC42	Harris	CD74HC42	
	Hitachi	HD74HC42	
	Mitsubishi	M74HC42	
	Motorola	MC74HC42	
	National	MM74HC42	
	SGS-Thomson		
		M74HC42	
	Sharp	LR74HC42	
	Signetics	74HC42	
	Toshiba	TC74HC42A	
SN74HC4514	Harris	CD74HC4514	
	Hitachi	HD74HC4514	
	Motorola	MC74HC4514	
	National	MM74HC4514	
	SGS-Thomson		
		M74HC4514	
	Sharp	LR74HC4514	
	Signetics	74HC4514	
	Toshiba	TC74HC4514A	
SN74HC4515	Harris	CD74HC4515	
	Hitachi	HD74HC4515	
	Signetics	74HC4515	
	Toshiba	TC74HC4515A	
SN74HC490	Hitachi	HD74HC490	
	NJR	NJU74HC490	
SN74HC51	Hitachi	HD74HC51	
	Mitsubishi	M74HC51	
	Motorola	MC74HC51	
	National	MM74HC51	
	NJR	NJU74HC51	
	SGS-Thomson		
		M74HC51	
	Sharp	LR74HC51	
	Toshiba	TC74HC51A	
SN74HC533	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
	Motorola	MC74HC533A	
	National	MM74HC533	
	NJR	NJU74HC533	
	SGS-Thomson		
		M74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	Toshiba	TC74HC533A	
SN74HC534	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
	Motorola	MC74HC534A	
	National	MM74HC534	
	NJR	NJU74HC534	
	SGS-Thomson		
		M74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	Toshiba	TC74HC534A	
SN74HC540	Harris	CD74HC540	
	Hitachi	HD74HC540	
	Mitsubishi	M74HC540	
	Motorola	MC74HC540	
	National	MM74HC540	
	SGS-Thomson		
		M74HC540	
	Signetics	74HC540	
	Toshiba	TC74HC540A	
SN74HC541	Harris	CD74HC541	
	Hitachi	HD74HC541	
	Mitsubishi	M74HC541	
	Motorola	MC74HC541	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HC541			(Cont'd)
	National	MM74HC541	
	SGS-Thomson		
		M74HC541	
	Sharp	LR74HC541	
	Signetics	74HC541	
	Toshiba	TC74HC541A	
SN74HC563	Harris	CD74HC563	
	Hitachi	HD74HC563	
	Motorola	MC74HC563	
	National	MM74HC563	
	SGS-Thomson		
		M74HC563	
	Sharp	LR74HC563	
	Signetics	74HC563	
	Toshiba	TC74HC563A	
SN74HC564	Harris	CD74HC564	
	Hitachi	HD74HC564	
	Motorola	MC74HC564	
	National	MM74HC564	
	SGS-Thomson		
		M74HC564	
	Sharp	LR74HC564	
	Signetics	74HC564	
	Toshiba	TC74HC564A	
SN74HC573	Harris	CD74HC573	
	Hitachi	HD74HC573	
	Motorola	MC74HC573A	
	National	MM74HC573	
	SGS-Thomson		
		M74HC573	
	Signetics	74HC573	
	Toshiba	TC74HC573A	
SN74HC574	Harris	CD74HC574	
	Hitachi	HD74HC574	
	Motorola	MC74HC574A	
	National	MM74HC574	
	SGS-Thomson		
		M74HC574	
	Sharp	LR74HC574	
	Signetics	74HC574	
	Toshiba	TC74HC574A	
SN74HC590A	Hitachi	HD74HC590	
	National	MM74HC590	
	SGS-Thomson		
		M74HC590	
	Toshiba	TC74HC590	
SN74HC595	Hitachi	HD74HC595	
	Mitsubishi	M74HC595	
	National	MM74HC595	
	SGS-Thomson		
		M74HC595	
	Sharp	LR74HC595	
	Toshiba	TC74HC595A	
SN74HC604	Mitsubishi	M74HC604	
SN74HC620	Hitachi	HD74HC620	
	National	MM74HC620	
	NJR	NJU74HC620	
	SGS-Thomson		
		M74HC620	
	Toshiba	TC74HC620A	
SN74HC623	Hitachi	HD74HC623	
	National	MM74HC623	
	NJR	NJU74HC623	
	SGS-Thomson		
		M74HC623	
	Toshiba	TC74HC623A	
SN74HC640	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
	Motorola	MC74HC640A	
	National	MM74HC640	
	NJR	NJU74HC640	
	SGS-Thomson		
		M74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	Toshiba	TC74HC640A	
SN74HC643	Harris	CD74HC643	
	Hitachi	HD74HC643	
	Mitsubishi	M74HC643	
		M74HC643-1	
	National	MM74HC643	
	NJR	NJU74HC643	
	SGS-Thomson		
		M74HC643	
	Sharp	LR74HC643	
	Signetics	74HC643	
	Toshiba	TC74HC643A	
SN74HC645	Mitsubishi	M74HC645	
		M74HC645-1	
	NJR	NJU74HC645	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HC646	Harris	CD74HC646	
	Motorola	MC74HC646	
	National	MM74HC646	
	SGS-Thomson		
		M74HC646	
	Signetics	74HC646	
	Toshiba	TC74HC646A	
SN74HC648	Harris	CD74HC648	
	Motorola	MC74HC648	
	National	MM74HC648	
	SGS-Thomson		
		M74HC648	
	Signetics	74HC648	
	Toshiba	TC74HC648A	
SN74HC651	Harris	CD74HC651	
	SGS-Thomson		
		M74HC651	
	Toshiba	TC74HC651A	
SN74HC652	Harris	CD74HC652	
	SGS-Thomson		
		M74HC652	
	Toshiba	TC74HC652A	
SN74HC688	Harris	CD74HC688	
	Hitachi	HD74HC688	
	Motorola	MC74HC688	
	National	MM74HC688	
	SGS-Thomson		
		M74HC688	
	Sharp	LR74HC688	
	Signetics	74HC688	
	Toshiba	TC74HC688A	
SN74HC7001	NJR	NJU74HC7001	
SN74HC7002	NJR	NJU74HC7002	
SN74HC7032	NJR	NJU74HC7032	
SN74HC7266	Harris	CD74HC7266	
	Motorola	MC74HC7266	
	National	MM74HC7266	
	SGS-Thomson		
		M74HC7266	
	Signetics	74HC7266	
	Toshiba	TC74HC7266A	
SN74HC73	Harris	CD74HC73	
	Hitachi	HD74HC73	
	Mitsubishi	M74HC73	
	Motorola	MC74HC73	
	National	MM74HC73	
	SGS-Thomson		
		M74HC73	
	Signetics	74HC73	
	Toshiba	TC74HC73A	
SN74HC74	GoldStar	GD74HC74	
	Harris	CD74HC74	
	Hitachi	HD74HC74	
	Mitsubishi	M74HC74	
	Motorola	MC74HC74A	
	National	MM74HC74	
	NJR	NJU74HC74	
	SGS-Thomson		
		M74HC74	
	Sharp	LR74HC74	
	Signetics	74HC74	
	Toshiba	TC74HC74A	
SN74HC75	Harris	CD74HC75	
	Hitachi	HD74HC75	
	Mitsubishi	M74HC75	
	Motorola	MC74HC75	
	National	MM74HC75	
	SGS-Thomson		
		M74HC75	
	Sharp	LR74HC75	
	Signetics	74HC75	
	Toshiba	TC74HC75A	
SN74HC76	Hitachi	HD74HC76	
	Mitsubishi	M74HC76	
	Motorola	MC74HC76	
	National	MM74HC76	
	SGS-Thomson		
		M74HC76	
	Sharp	LR74HC76	
	Toshiba	TC74HC76A	
SN74HC77	Hitachi	HD74HC77	
	SGS-Thomson		
		M74HC77	
	Toshiba	TC74HC77A	
SN74HC85	Harris	CD74HC85	
	Hitachi	HD74HC85	
	Mitsubishi	M74HC85	
	Motorola	MC74HC85	
	National	MM74HC85	
	NJR	NJU74HC85	
	SGS-Thomson		
		M74HC85	
	Sharp	LR74HC85	
			(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74HC85			(Cont'd)
	Signetics	74HC85	
	Toshiba	TC74HC85A	
SN74HC86	Harris	CD74HC86	
	Hitachi	HD74HC86	
	Mitsubishi	M74HC86	
	Motorola	MC74HC86	
	National	MM74HC86	
	NJR	NJU74HC86	
	SGS-Thomson		
		M74HC86	
	Sharp	LR74HC86	
	Signetics	74HC86	
	Toshiba	TC74HC86A	
♦ SN74H00	Lansdale	ML74H00	
		SL74H00	
♦ SN74H00	Rochester	74H00	
♦ SN74H01	Lansdale	ML74H01	
		SL74H01	
♦ SN74H01	Rochester	74H01	
♦ SN74H04	Lansdale	ML74H04	
	Rochester	74H04	
♦ SN74H05	Lansdale	ML74H05	
	Rochester	74H05	
♦ SN74H08	Lansdale	ML74H08	
		SL74H08	
♦ SN74H08	Rochester	74H08	
♦ SN74H10	Lansdale	ML74H10	
		SL74H10	
♦ SN74H101	Lansdale	ML74H101	
		SL74H101	
♦ SN74H101	Rochester	74H101	
♦ SN74H102	Lansdale	ML74H102	
		SL74H102	
♦ SN74H102	Rochester	74H102	
♦ SN74H103	Lansdale	ML74H103	
		SL74H103	
♦ SN74H103	Rochester	74H103	
♦ SN74H106	Lansdale	SL74H106	
	Rochester	74H106	
♦ SN74H108	Lansdale	ML74H108	
		SL74H108	
♦ SN74H108	Rochester	74H108	
♦ SN74H11	Lansdale	ML54H11	
		ML74H11	
		SL54H11	
		SL74H11	
♦ SN74H11	Rochester	74H11	
♦ SN74H183	Rochester	74H183	
♦ SN74H20	Lansdale	ML74H20	
		SL74H20	
♦ SN74H20	Rochester	74H20	
♦ SN74H21	Lansdale	ML54H21	
		ML74H21	
		SL54H21	
		SL74H21	
♦ SN74H21	Rochester	74H21	
♦ SN74H22	Lansdale	ML74H22	
		SL74H22	
♦ SN74H22	Rochester	74H22	
♦ SN74H30	Lansdale	ML74H30	
		SL74H30	
♦ SN74H30	Rochester	74H30	
♦ SN74H40	Lansdale	ML74H40	
		SL74H40	
♦ SN74H40	Rochester	74H40	
♦ SN74H50	Lansdale	ML74H50	
	Rochester	74H50	
♦ SN74H51	Lansdale	ML74H51	
	Rochester	74H51	
♦ SN74H52	Lansdale	ML74H52	
		SL74H52	
♦ SN74H52	Rochester	74H52	
♦ SN74H53	Lansdale	ML74H53	
		SL74H53	
♦ SN74H53	Rochester	74H53	
♦ SN74H54	Lansdale	ML74H54	
		SL74H54	
♦ SN74H54	Rochester	74H54	
♦ SN74H55	Lansdale	ML74H55	
		SL74H55	
♦ SN74H55	Rochester	74H55	
♦ SN74H60	Lansdale	ML74H60	
		SL75H60	
♦ SN74H60	Rochester	74H60	
♦ SN74H61	Lansdale	ML74H61	
		SL74H61	
♦ SN74H61	Rochester	74H61	
♦ SN74H62	Lansdale	ML74H62	
		SL74H62	
♦ SN74H62	Rochester	74H62	
♦ SN74H71	Lansdale	ML74H71	
		SL74H71	
			(Continued)

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Texas Instruments (Cont'd)			
♦ SN74H71	Rochester	74H71	
♦ SN74H72	Lansdale	ML74H72	
		SL74H72	
♦ SN74H72	Rochester	74H72	
♦ SN74H73	Lansdale	ML54H73	
		ML74H73	
		SL54H73	
		SL74H73	
♦ SN74H73	Rochester	74H73	
♦ SN74H74	Lansdale	ML74H74	
		SL74H74	
♦ SN74H74	Rochester	74H74	
♦ SN74H76	Lansdale	SL74H76	
	Rochester	74H76	
♦ SN74H78	Rochester	74H78	
♦ SN74H87	Lansdale	ML74H87	
	Rochester	74H87	
SN74LS00	GoldStar	GD74LS00	
	Hitachi	HD74LS00	
	Motorola	SN74LS00	
	National	DM74LS00	
		74LS00	
	Rochester	74LS00	
	SGS-Thomson		
		T74LS00	
		74LS00	
	Signetics	74LS00	
SN74LS01	Hitachi	HD74LS01	
	Motorola	SN74LS01	
	SGS-Thomson		
		T74LS01	
		74LS01	
	Signetics	74LS01	
SN74LS02	GoldStar	GD74LS02	
	Hitachi	HD74LS02	
	Motorola	SN74LS02	
	National	DM74LS02	
		74LS02	
	SGS-Thomson		
		T74LS02	
		74LS02	
	Signetics	74LS02	
SN74LS03	Hitachi	HD74LS03	
	Motorola	SN74LS03	
	National	DM74LS03	
		74LS03	
	Rochester	74LS03	
	SGS-Thomson		
		T74LS03A	
		74LS03	
SN74LS04	GoldStar	GD74LS04	
	Hitachi	HD74LS04	
	Motorola	SN74LS04	
	National	DM74LS04	
		74LS04	
	Rochester	74LS04	
	SGS-Thomson		
		T74LS04	
		74LS04	
	Signetics	74LS04	
SN74LS05	GoldStar	GD74LS05	
	Hitachi	HD74LS05	
	Motorola	SN74LS05	
	National	DM74LS05	
		74LS05	
	Rochester	74LS05	
	SGS-Thomson		
		T74LS05A	
		74LS05	
	Signetics	74LS05	
SN74LS08	GoldStar	GD74LS08	
	Hitachi	HD74LS08	
	Motorola	SN74LS08	
	National	DM74LS08	
		74LS08	
	Rochester	74LS08	
	SGS-Thomson		
		T74LS08	
		74LS08	
	Signetics	74LS08	
SN74LS09	Hitachi	HD74LS09	
	Motorola	SN74LS09	
	National	DM74LS09	
		74LS09	
	Rochester	74LS09	
	SGS-Thomson		
		T74LS09	
		74LS09	
	Signetics	74LS09	
SN74LS10	GoldStar	GD74LS10	
	Hitachi	HD74LS10	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS10			(Cont'd)
	Motorola	SN74LS10	
	National	DM74LS10	
		74LS10	
	Rochester	74LS10	
	SGS-Thomson		
		T74LS10	
		74LS10	
	Signetics	74LS10	
SN74LS107A	Hitachi	HD74LS107A	
	Motorola	SN74LS107A	
	National	DM74LS107A	
	Signetics	74LS107	
SN74LS109A	Hitachi	HD74LS109A	
	Motorola	SN74LS109A	
	National	DM74LS109	
		74LS109	
	SGS-Thomson		
		T74LS109A	
	Signetics	74LS109	
SN74LS11	GoldStar	GD74LS11	
	Hitachi	HD74LS11	
	Motorola	SN74LS11	
	National	DM74LS11	
		74LS11	
	Rochester	74LS11	
	SGS-Thomson		
		T74LS11	
		74LS11	
	Signetics	74LS11	
SN74LS112A	Hitachi	HD74LS112	
	Motorola	SN74LS112A	
	National	DM74LS112	
		74LS112	
	SGS-Thomson		
		T74LS112A	
	Signetics	74LS112	
♦ SN74LS113	Rochester	74LS113	
SN74LS113A	Hitachi	HD74LS113	
	Motorola	SN74LS113A	
	Rochester	74LS113	
	SGS-Thomson		
		T74LS113A	
	Signetics	74LS113	
SN74LS114A	Hitachi	HD74LS114	
	Motorola	SN74LS114A	
	Rochester	74LS114	
	SGS-Thomson		
		T74LS114A	
SN74LS12	Hitachi	HD74LS12	
	Motorola	SN74LS12	
	National	DM74LS12	
		74LS12	
	Rochester	74LS12	
	SGS-Thomson		
		T74LS12	
		74LS12	
SN74LS122	Hitachi	HD74LS122	
	Motorola	SN74LS122	
	National	DM74LS122	
SN74LS123	GoldStar	GD74LS123	
	Hitachi	HD74LS123	
	Motorola	SN74LS123	
	National	DM74LS123	
SN74LS125A	GoldStar	GD74LS125A	
	Hitachi	HD74LS125A	
	Motorola	SN74LS125A	
	National	DM74LS125A	
		74LS125	
	SGS-Thomson		
		T74LS125A	
		74LS125A	
	Signetics	74LS125A	
SN74LS126A	Hitachi	HD74LS126A	
	Motorola	SN74LS126A	
	National	DM74LS126	
		74LS126	
	SGS-Thomson		
		T74LS126A	
		74LS126	
	Signetics	74LS126A	
SN74LS13	Hitachi	HD74LS13	
	Motorola	SN74LS13	
	National	74LS13	
	SGS-Thomson		
		T74LS13	
		74LS13	
	Signetics	74LS13	
SN74LS132	Hitachi	HD74LS132	
	Motorola	SN74LS132	
	National	DM74LS132	
		74LS132	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS132			(Cont'd)
	SGS-Thomson		
		T74LS132	
		74LS132	
	Signetics	74LS132	
SN74LS136	Hitachi	HD74LS136	
	Motorola	SN74LS136	
	National	74LS136	
	SGS-Thomson		
		T74LS136	
		74LS136	
	Signetics	74LS136	
SN74LS137	Motorola	SN74LS137	
SN74LS138	GoldStar	GD74LS138	
	Hitachi	HD74LS138	
	Motorola	SN74LS138	
	National	DM74LS138	
		74LS138	
	SGS-Thomson		
		T74LS138	
		74LS138	
	Signetics	74LS138	
SN74LS139A	GoldStar	GD74LS139	
	Hitachi	HD74LS139	
	Motorola	SN74LS139	
	National	DM74LS139	
		74LS139	
	SGS-Thomson		
		T74LS139	
		74LS139	
	Signetics	74LS139	
SN74LS14	GoldStar	GD74LS14	
	Hitachi	HD74LS14	
	Motorola	SN74LS14	
	National	DM74LS14	
		74LS14	
	SGS-Thomson		
		T74LS14	
		74LS14	
	Signetics	74LS14	
SN74LS145	Hitachi	HD74LS145	
	Motorola	SN74LS145	
SN74LS147	Motorola	SN74LS147	
SN74LS148	Hitachi	HD74LS148	
	Motorola	SN74LS148	
	SGS-Thomson		
		T74LS148	
SN74LS15	Hitachi	HD74LS15	
	Motorola	SN74LS15	
	National	74LS15	
	SGS-Thomson		
		T74LS15	
		74LS15	
SN74LS151	Hitachi	HD74LS151A	
	Motorola	SN74LS151	
	National	DM74LS151	
		74LS151	
	SGS-Thomson		
		T74LS151	
		74LS151	
	Signetics	74LS151	
SN74LS153	GoldStar	GD74LS153	
	Hitachi	HD74LS153	
	Motorola	SN74LS153	
	National	DM74LS153	
		74LS153	
	SGS-Thomson		
		T74LS153	
		74LS153	
	Signetics	74LS153	
SN74LS155A	Hitachi	HD74LS155	
	Motorola	SN74LS155	
	National	DM74LS155	
		74LS155	
	SGS-Thomson		
		T74LS155	
		74LS155	
	Signetics	74LS155	
SN74LS156	Hitachi	HD74LS156	
	Motorola	SN74LS156	
	National	DM74LS156	
		74LS156	
	SGS-Thomson		
		T74LS156	
		74LS156	
	Signetics	74LS156	
SN74LS157	GoldStar	GD74LS157	
	Hitachi	HD74LS157	
	Motorola	SN74LS157	
	National	DM74LS157	
		74LS157	
	SGS-Thomson		
		T74LS157	
		74LS157	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS157			(Cont'd)
	Signetics	74LS157	
SN74LS158	GoldStar	GD74LS158	
	Hitachi	HD74LS158	
	Motorola	SN74LS158	
	National	DM74LS158	
		74LS158	
	Rochester	74LS158	
	SGS-Thomson		
		T74LS158	
		74LS158	
	Signetics	74LS158	
SN74LS160A	Hitachi	HD74LS160A	
	Motorola	SN74LS160A	
	National	74LS160	
	Signetics	74LS160A	
SN74LS161A	GoldStar	GD74LS161A	
	Hitachi	HD74LS161A	
	Motorola	SN74LS161A	
	National	DM74LS161A	
		74LS161	
	Signetics	74LS161A	
SN74LS162A	Hitachi	HD74LS162A	
	Motorola	SN74LS162A	
	National	74LS162	
	Signetics	74LS162A	
SN74LS163A	GoldStar	GD74LS163A	
	Hitachi	HD74LS163A	
	Motorola	SN74LS163A	
	National	DM74LS163A	
		74LS163	
	Signetics	74LS163A	
SN74LS164	GoldStar	GD74LS164	
	Hitachi	HD74LS164	
	Motorola	SN74LS164	
	National	DM74LS164	
		74LS164	
	SGS-Thomson		
		T74LS164	
		74LS164	
	Signetics	74LS164	
SN74LS165A	Hitachi	HD74LS165A	
	Motorola	SN74LS165	
	National	74LS165	
SN74LS166A	Motorola	SN74LS166	
	National	DM74LS166	
	SGS-Thomson		
		T74LS166	
		74LS166	
SN74LS169B	Motorola	SN74LS169	
	National	DM74LS169A	
		74LS169	
	Rochester	74LS169	
	SGS-Thomson		
		T74LS169	
		74LS169	
	Signetics	74LS169A	
SN74LS170	Hitachi	HD74LS170	
	Motorola	SN74LS170	
	National	74LS170	
	SGS-Thomson		
		T74LS170	
		74LS170	
SN74LS173A	Motorola	SN74LS173A	
	National	74LS173A	
	Signetics	74LS173	
SN74LS174	GoldStar	GD74LS174	
	Hitachi	HD74LS174	
	Motorola	SN74LS174	
	National	DM74LS174	
		74LS174	
	SGS-Thomson		
		T74LS174	
		74LS174	
	Signetics	74LS174	
SN74LS175	GoldStar	GD74LS175	
	Hitachi	HD74LS175	
	Motorola	SN74LS175	
	National	DM74LS175	
		74LS175	
	SGS-Thomson		
		T74LS175	
		74LS175	
	Signetics	74LS175	
SN74LS181	Hitachi	HD74LS181	
	Motorola	SN74LS181	
	National	74LS181	
	SGS-Thomson		
		T74LS181	
		74LS181	
SN74LS189	Cypress	CY27LS03	
♦ SN74LS19	Rochester	74LS19	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS190	Hitachi	HD74LS190	
	Motorola	SN74LS190	
	National	DM74LS190	
		74LS190	
	SGS-Thomson		
		T74LS190	
		74LS190	
SN74LS191	Hitachi	HD74LS191	
	Motorola	SN74LS191	
	National	DM74LS191	
		74LS191	
	SGS-Thomson		
		T74LS191	
		74LS191	
	Signetics	74LS191	
SN74LS192	Hitachi	HD74LS192	
	Motorola	SN74LS192	
	National	74LS192	
	SGS-Thomson		
		T74LS192	
		74LS192	
	Signetics	74LS192	
SN74LS193	Hitachi	HD74LS193	
	Motorola	SN74LS193	
	National	DM74LS193	
		74LS193	
	SGS-Thomson		
		T74LS193	
		74LS193	
	Signetics	74LS193	
SN74LS194A	GoldStar	GD74LS194A	
	Hitachi	HD74LS194A	
	Motorola	SN74LS194A	
	National	DM74LS194A	
	Rochester	74LS194	
	SGS-Thomson		
		T74LS194A	
		74LS194	
	Signetics	74LS194A	
SN74LS195A	Hitachi	HD74LS195A	
	Motorola	SN74LS195A	
	National	DM74LS195A	
	SGS-Thomson		
		T74LS195A	
		74LS195	
	Signetics	74LS195A	
SN74LS196	Motorola	SN74LS196	
	National	74LS196	
	SGS-Thomson		
		T74LS196	
		74LS196	
SN74LS197	Motorola	SN74LS197	
	National	74LS197	
	SGS-Thomson		
		T74LS197	
		74LS197	
	Signetics	74LS197	
SN74LS20	Hitachi	HD74LS20	
	Motorola	SN74LS20	
	National	DM74LS20	
		74LS20	
	Rochester	74LS20	
	SGS-Thomson		
		T74LS20	
		74LS20	
	Signetics	74LS20	
SN74LS21	GoldStar	GD74LS21	
	Hitachi	HD74LS21	
	Motorola	SN74LS21	
	National	DM74LS21	
		74LS21	
	Rochester	74LS21	
	SGS-Thomson		
		T74LS21	
		74LS21	
	Signetics	74LS21	
SN74LS219	Cypress	CY27S07	
SN74LS221	Hitachi	HD74LS221	
	Motorola	SN74LS221	
	National	DM74LS221	
SN74LS240	GoldStar	GD74LS240	
	Hitachi	HD74LS240	
	Motorola	SN74LS240	
	National	DM74LS240	
		74LS240	
	SGS-Thomson		
		T74LS240	
		74LS240	
	Signetics	74LS240	
SN74LS241	GoldStar	GD74LS241	
	Hitachi	HD74LS241	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS241			(Cont'd)
	Motorola	SN74LS241	
	National	DM74LS241	
		74LS241	
	SGS-Thomson		
		T74LS241	
		74LS241	
	Signetics	74LS241	
SN74LS242	Hitachi	HD74LS242	
	Motorola	SN74LS242	
	Signetics	74LS242	
SN74LS243	Hitachi	HD74LS243	
	Motorola	SN74LS243	
	National	DM74LS243	
	Signetics	74LS243	
SN74LS244	GoldStar	GD74LS244	
	Hitachi	HD74LS244	
	Motorola	SN74LS244	
	National	DM74LS244	
		74LS244	
	SGS-Thomson		
		T74LS244	
		74LS244	
	Signetics	74LS244	
SN74LS245	GoldStar	GD74LS245	
	Hitachi	HD74LS245	
	Motorola	SN74LS245	
	National	DM74LS245	
		74LS245	
	Rochester	74LS245	
	SGS-Thomson		
		T74LS245	
		74LS245	
	Signetics	74LS245	
SN74LS247	Hitachi	HD74LS247	
	Motorola	SN74LS247	
	National	74LS247	
SN74LS251	Hitachi	HD74LS251	
	Motorola	SN74LS251	
	National	DM74LS251	
		74LS251	
	Rochester	74LS251	
	SGS-Thomson		
		T74LS251	
		74LS251	
	Signetics	74LS251	
SN74LS253	Hitachi	HD74LS253	
	Motorola	SN74LS253	
	National	DM74LS253	
		74LS253	
	Rochester	74LS253	
	SGS-Thomson		
		T74LS253	
		74LS253	
	Signetics	74LS253	
SN74LS257B	GoldStar	GD74LS257A	
	Hitachi	HD74LS257	
	Motorola	SN74LS257A	
	National	DM74LS257B	
		74LS257	
	Rochester	74LS257	
	SGS-Thomson		
		T74LS257A	
		74LS257	
	Signetics	74LS257A	
SN74LS258B	Hitachi	HD74LS258	
	Motorola	SN74LS258A	
	National	DM74LS258B	
		74LS258	
	Rochester	74LS258	
	SGS-Thomson		
		T74LS258A	
		74LS258	
	Signetics	74LS258A	
SN74LS259B	Hitachi	HD74LS259	
	Motorola	SN74LS259	
	National	DM74LS259	
		74LS259	
	Rochester	74LS259	
	SGS-Thomson		
		T74LS259	
		74LS259	
	Signetics	74LS259	
SN74LS26	Hitachi	HD74LS26	
	Motorola	SN74LS26	
	National	DM74LS26	
		74LS26	
	Rochester	74LS26	
	SGS-Thomson		
		T74LS26A	
		74LS26	
	Signetics	74LS26	
SN74LS266	Hitachi	HD74LS266	
	Motorola	SN74LS266	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS266			(Cont'd)
	National	74LS266	
	SGS-Thomson		
		T74LS266	
		74LS266	
	Signetics	74LS266	
SN74LS27	GoldStar	GD74LS27	
	Hitachi	HD74LS27	
	Motorola	SN74LS27	
	National	DM74LS27	
		74LS27	
	Rochester	74LS27	
	SGS-Thomson		
		T74LS27	
		74LS27	
	Signetics	74LS27	
SN74LS273	GoldStar	GD74LS273	
	Hitachi	HD74LS273	
	Motorola	SN74LS273	
	National	74LS273	
	SGS-Thomson		
		T74LS273	
		74LS273	
	Signetics	74LS273	
SN74LS279A	Hitachi	HD74LS279	
	Motorola	SN74LS279	
	National	DM74LS279	
		74LS279	
	Rochester	74LS279	
	SGS-Thomson		
		T74LS279	
		74LS279	
SN74LS28	Motorola	SN74LS28	
	National	74LS28	
	SGS-Thomson		
		T74LS28	
		74LS28	
SN74LS280	GoldStar	GD74LS280	
	Hitachi	HD74LS280	
	Motorola	SN74LS280	
	SGS-Thomson		
		T74LS280	
		74LS280	
SN74LS283	Hitachi	HD74LS283A	
	Motorola	SN74LS283	
	National	DM74LS283	
		74LS283	
	SGS-Thomson		
		T74LS283	
		74LS283	
	Signetics	74LS283	
SN74LS290	Hitachi	HD74LS290	
	Motorola	SN74LS290	
	National	DM74LS290	
		74LS290	
	Signetics	74LS290	
SN74LS293	Hitachi	HD74LS293	
	Motorola	SN74LS293	
	National	DM74LS293	
		74LS293	
	SGS-Thomson		
		T74LS293	
		74LS293	
	Signetics	74LS293	
SN74LS295B	SGS-Thomson		
		T74LS295A	
		74LS295A	
	Signetics	74LS295B	
SN74LS298	Hitachi	HD74LS298	
	Motorola	SN74LS298	
	National	74LS298	
	SGS-Thomson		
		T74LS298	
		74LS298	
	Signetics	74LS298	
SN74LS299	GoldStar	GD74LS299	
	Hitachi	HD74LS299	
	Motorola	SN74LS299	
	National	74LS299	
SN74LS30	GoldStar	GD74LS30	
	Hitachi	HD74LS30	
	Motorola	SN74LS30	
	National	DM74LS30	
		74LS30	
	Rochester	74LS30	
	SGS-Thomson		
		T74LS30	
		74LS30	
	Signetics	74LS30	
SN74LS32	GoldStar	GD74LS32	
	Hitachi	HD74LS32	
	Motorola	SN74LS32	
	National	DM74LS32	
		74LS32	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS32			(Cont'd)
	Rochester	74LS32	
	SGS-Thomson		
		T74LS32	
		74LS32	
	Signetics	74LS32	
SN74LS321	Rochester	74LS321	
SN74LS322	AMD	AM25LS22	
SN74LS322A	Motorola	SN74LS322A	
	National	74LS322	
SN74LS323	Motorola	SN74LS323	
	National	74LS323	
SN74LS33	Motorola	SN74LS33	
	National	74LS33	
	SGS-Thomson		
		T74LS33	
		74LS33	
	Signetics	74LS33	
SN74LS348	Motorola	SN74LS348	
SN74LS352	Motorola	SN74LS352	
	National	DM74LS352	
		74LS352	
	SGS-Thomson		
		T74LS352	
		74LS352	
	Signetics	74LS352	
SN74LS353	Motorola	SN74LS353	
	National	74LS353	
	SGS-Thomson		
		T74LS353	
		74LS353	
	Signetics	74LS353	
SN74LS365A	Hitachi	HD74LS365A	
	Motorola	SN74LS365A	
	National	DM74LS365A	
		74LS365	
	Rochester	74LS365	
	SGS-Thomson		
		T74LS365A	
		74LS365A	
	Signetics	74LS365A	
SN74LS366A	Hitachi	HD74LS366A	
	Motorola	SN74LS366A	
	National	DM74LS366A	
		74LS366	
	SGS-Thomson		
		T74LS366A	
		74LS366A	
	Signetics	74LS366A	
SN74LS367A	GoldStar	GD74LS367A	
	Hitachi	HD74LS367A	
	Motorola	SN74LS367A	
	National	DM74LS367A♦	
		74LS367	
	Rochester	74LS367	
	SGS-Thomson		
		T74LS367A	
		74LS367A	
	Signetics	74LS367A	
SN74LS368A	Hitachi	HD74LS368A	
	Motorola	SN74LS368A	
	National	DM74LS368A	
		74LS368	
	Rochester	74LS368	
	SGS-Thomson		
		T74LS368A	
		74LS368A	
	Signetics	74LS368A	
SN74LS37	Hitachi	HD74LS37	
	Motorola	SN74LS37	
	National	DM74LS37	
		74LS37	
	Rochester	74LS37	
	SGS-Thomson		
		T74LS37	
		74LS37	
	Signetics	74LS37	
SN74LS373	GoldStar	GD74LS373	
	Hitachi	HD74LS373	
	Motorola	SN74LS373	
	National	DM74LS373	
		74LS373	
	SGS-Thomson		
		T74LS373	
		74LS373	
	Signetics	74LS373	
SN74LS374	GoldStar	GD74LS374	
	Hitachi	HD74LS374	
	Motorola	SN74LS374	
	National	DM74LS374	
		74LS374	
	SGS-Thomson		
		T74LS374	
		74LS374	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS374			(Cont'd)
	Signetics	74LS374	
SN74LS375	Hitachi	HD74LS375	
	Motorola	SN74LS375	
	National	74LS375	
	Signetics	74LS375	
SN74LS377	Motorola	SN74LS377	
	National	74LS377	
	SGS-Thomson		
		T74LS377	
		74LS377	
	Signetics	74LS377	
SN74LS378	Motorola	SN74LS378	
	National	74LS378	
	SGS-Thomson		
		T74LS378	
		74LS378	
	Signetics	74LS378	
SN74LS379	Motorola	SN74LS379	
	National	74LS379	
	SGS-Thomson		
		T74LS379	
		74LS379	
SN74LS38	Hitachi	HD74LS38	
	Motorola	SN74LS38	
	National	DM74LS38	
		74LS38	
	Rochester	74LS38	
	SGS-Thomson		
		T74LS38	
		74LS38	
	Signetics	74LS38	
SN74LS388	AMD	AM25LS2518	
SN74LS390	Hitachi	HD74LS390	
	Motorola	SN74LS390	
	National	DM74LS390	
	SGS-Thomson		
		T74LS390	
		74LS390	
	Signetics	74LS390	
SN74LS393	GoldStar	GD74LS393	
	Hitachi	HD74LS393	
	Motorola	SN74LS393	
	National	DM74LS393	
		74LS393	
	SGS-Thomson		
		T74LS393	
		74LS393	
	Signetics	74LS393	
SN74LS395A	National	74LS395	
	SGS-Thomson		
		T74LS395A	
		74LS395	
	Signetics	74LS395A	
SN74LS399	Motorola	SN74LS399	
	SGS-Thomson		
		T74LS399	
		74LS399	
SN74LS40	Hitachi	HD74LS40	
	Motorola	SN74LS40	
	National	74LS40	
	SGS-Thomson		
		T74LS40	
		74LS40	
SN74LS42	Hitachi	HD74LS42	
	Motorola	SN74LS42	
	National	DM74LS42	
		74LS42	
	Rochester	74LS42	
	SGS-Thomson		
		T74LS42	
		74LS42	
	Signetics	74LS42	
SN74LS424	National	DS8224	
SN74LS47	Hitachi	HD74LS47	
	Motorola	SN74LS47	
	National	74LS47	
SN74LS51	Hitachi	HD74LS51	
	Motorola	SN74LS51	
	National	DM74LS51	
		74LS51	
	Rochester	74LS51	
	SGS-Thomson		
		T74LS51	
		74LS51	
	Signetics	74LS51	
SN74LS54	Hitachi	HD74LS54	
	Motorola	SN74LS54	
	National	74LS54	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS54			(Cont'd)
	SGS-Thomson		
		T74LS54	
		74LS54	
	Signetics	74LS54	
SN74LS540	Motorola	SN74LS540	
	National	74LS540	
	SGS-Thomson		
		T74LS540	
	Signetics	74LS540	
SN74LS541	Motorola	SN74LS541	
	Signetics	74LS541	
SN74LS55	Hitachi	HD74LS55	
	Motorola	SN74LS55	
	National	74LS55	
	Rochester	74LS55	
	SGS-Thomson		
		T74LS55	
		74LS55	
SN74LS612	GoldStar	GD74LS612	
♦ SN74LS623	Rochester	74LS623	
	Motorola	SN74LS623	
	Rochester	74LS623	
	Signetics	74LS623	
SN74LS640	Motorola	SN74LS640	
	Signetics	74LS640	
		74LS640-1	
	TI	SN74LS640-1	
SN74LS640-1	Motorola	SN74LS640	
	Signetics	74LS640	
		74LS640-1	
	TI	SN74LS640	
SN74LS641	Hitachi	HD74LS641	
	Motorola	SN74LS641	
	Signetics	74LS641	
		74LS641-1	
	TI	SN74LS641-1	
SN74LS641-1	Hitachi	HD74LS641	
	Motorola	SN74LS641	
	Signetics	74LS641	
		74LS641-1	
	TI	SN74LS641	
SN74LS642	Hitachi	HD74LS642	
	Motorola	SN74LS642	
	Signetics	74LS642	
		74LS642-1	
	TI	SN74LS642-1	
SN74LS642-1	Hitachi	HD74LS642	
	Motorola	SN74LS642	
	Signetics	74LS642	
		74LS642-1	
	TI	SN74LS642	
SN74LS644	TI	SN74LS644-1	
SN74LS644-1	TI	SN74LS644	
SN74LS645	Hitachi	HD74LS645	
	Motorola	SN74LS645	
	Signetics	74LS645	
		74LS645-1	
	TI	SN74LS645-1	
SN74LS645-1	Hitachi	HD74LS645	
	Motorola	SN74LS645	
	Signetics	74LS645	
		74LS645-1	
	TI	SN74LS645	
SN74LS669	Hitachi	HD74LS669	
	Motorola	SN74LS669	
SN74LS670	GoldStar	GD74LS670	
	Motorola	SN74LS670	
	National	DM74LS670	
		74LS670	
	Rochester	74LS670	
	SGS-Thomson		
		T74LS670	
		74LS670	
	Signetics	74LS670	
SN74LS682	Motorola	SN74LS682	
SN74LS684	Motorola	SN74LS684	
SN74LS688	AMD	AM25LS2521	
	Motorola	SN74LS688	
SN74LS73A	Hitachi	HD74LS73A	
	Motorola	SN74LS73A	
	National	DM74LS73A	
	Signetics	74LS73	
SN74LS74A	GoldStar	GD74LS74A	
	Hitachi	HD74LS74A	
	Motorola	SN74LS74A	
	National	DM74LS74	
		74LS74	
	Rochester	74LS74	
	SGS-Thomson		
		T74LS74A	
		74LS74	
	Signetics	74LS74A	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74LS75	GoldStar	GD74LS75	
	Hitachi	HD74LS75	
	Motorola	SN74LS75	
	National	DM74LS75	
	Rochester	74LS75	
	Signetics	74LS75	
SN74LS76A	Hitachi	HD74LS76A	
	Motorola	SN74LS76A	
	Signetics	74LS76	
SN74LS78A	Hitachi	HD74LS78A	
SN74LS83A	Hitachi	HD74LS83A	
	Motorola	SN74LS83A	
	National	DM74LS83A	
		74LS83	
	Rochester	74LS83	
	SGS-Thomson		
		T74LS83A	
		74LS83A	
	Signetics	74LS83A	
SN74LS85	Hitachi	HD74LS85	
	Motorola	SN74LS85	
	National	DM74LS85	
		74LS85	
	Rochester	74LS85	
	Signetics	74LS85	
SN74LS86A	GoldStar	GD74LS86	
	Hitachi	HD74LS86	
	Motorola	SN74LS86	
	National	DM74LS86	
		74LS86	
	Rochester	74LS86	
	SGS-Thomson		
		T74LS86	
		74LS86	
	Signetics	74LS86	
SN74LS90	Hitachi	HD74LS90	
	Motorola	SN74LS90	
	National	DM74LS90	
	Rochester	74LS90	
	SGS-Thomson		
		74LS90	
	Signetics	74LS90	
SN74LS91	Hitachi	HD74LS91	
SN74LS92	Hitachi	HD74LS92	
	Motorola	SN74LS92	
	Signetics	74LS92	
SN74LS93	GoldStar	GD74LS93	
	Hitachi	HD74LS93	
	Motorola	SN74LS93	
	National	DM74LS93	
	Rochester	74LS93	
	SGS-Thomson		
		74LS93	
	Signetics	74LS93	
SN74LS95B	Hitachi	HD74LS95B	
	Motorola	SN74LS95B	
	National	74LS95B	
	SGS-Thomson		
		T74LS95B	
		74LS95B	
	Signetics	74LS95B	
SN74LS96	Signetics	74LS96	
♦ SN74SA74	Lansdale	HL7641	
SN74S00	GoldStar	GD74S00	
	National	DM74S00	
		74S00	
	Signetics	74S00	
SN74S02	National	DM74S02	
		74S02	
	Signetics	74S02	
SN74S03	National	DM74S03	
		74S03	
	Rochester	74S03	
	Signetics	74S03	
SN74S04	GoldStar	GD74S04	
	National	DM74S04	
		74S04	
	Rochester	74S04	
	Signetics	74S04	
SN74S05	National	DM74S05	
		74S05	
	Rochester	74S05	
	Signetics	74S05	
SN74S08	GoldStar	GD74S08	
	National	DM74S08	
		74S08	
	Signetics	74S08	
SN74S09	National	DM74S09	
	Rochester	74S09	
SN74S10	National	DM74S10	
		74S10	
	Signetics	74S10	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74S11	National	DM74S11	
		74S11	
	Rochester	74S11	
	Signetics	74S11	
SN74S112	GoldStar	GD74S112	
	National	DM74S112	
		74S112	
	Rochester	74S112	
	Signetics	74S112	
SN74S113	National	DM74S113	
	Rochester	74S113	
SN74S114	Rochester	74S114	
SN74S132	National	74S132	
SN74S133	National	DM74S133	
		74S133	
	Rochester	74S133	
	Signetics	74S133	
SN74S134	Rochester	74S134	
	Signetics	74S134	
SN74S135	National	74S135	
	Rochester	74S135	
SN74S138	National	DM74S138	
		74S138	
	Signetics	74S138	
SN74S139	National	DM74S139	
		74S139	
	Rochester	74S139	
	Signetics	74S139	
SN74S140	National	DM74S140	
	Signetics	74S140	
SN74S151	National	DM74S151	
		74S151	
	Rochester	74S151	
	Signetics	74S151	
SN74S153	National	DM74S153	
		74S153	
	Rochester	74S153	
	Signetics	74S153	
SN74S157	National	DM74S157	
		74S157	
	Rochester	74S157	
	Signetics	74S157	
SN74S158	National	DM74S158	
		74S158	
	Rochester	74S158	
	Signetics	74S158	
SN74S161	AMD	SN74S161	
SN74S163	AMD	AM74S163	
SN74S174	GoldStar	GD74S174	
	National	DM74S174	
		74S174	
	Rochester	74S174	
	Signetics	74S174	
SN74S175	National	DM74S175	
		74S175	
	Signetics	74S175	
SN74S181	Signetics	74S181	
SN74S182	AMD	AM2902	
	National	DM74S182	
♦ SN74S188	Lansdale	HL7602	
SN74S189	Cypress	CY7C189	
		CY74S189	
	Signetics	N74S189	
SN74S194	National	DM74S194	
		74S194	
	Rochester	74S194	
SN74S195	National	DM74S195	
	Signetics	74S195	
SN74S20	National	DM74S20	
		74S20	
	Rochester	74S20	
	Signetics	74S20	
SN74S201	Signetics	N82S16	
SN74S225	AMD	74S225	
	Signetics	74S225	
SN74S240	AMD	AM74S240	
		SN74S240	
	National	DM74S240	
	Signetics	74S240	
SN74S241	AMD	AM74S241	
		SN74S241	
	National	DM74S241	
	Signetics	74S241	
SN74S244	AMD	AM74S244	
	Signetics	74S244	
SN74S251	National	DM74S251	
	Signetics	74S251	
SN74S253	National	DM74S253	
		74S253	
	Signetics	74S253	
SN74S257	National	DM74S257	
		74S257	

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The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN74S257			(Cont'd)
	Rochester	74S257	
	Signetics	74S257	
SN74S258	National	DM74S258	
		74S258	
	Rochester	74S258	
	Signetics	74S258	
SN74S260	Rochester	74S260	
	Signetics	74S260	
SN74S280	National	DM74S280	
	Signetics	74S280	
♦ SN74S287	Lansdale	HL7611	
♦ SN74S288	Lansdale	HL7603	
SN74S289	Signetics	N3101	
		N82S25	
SN74S299	GoldStar	GD74S299	
	National	DM74S299	
SN74S30	National	DM74S30	
		74S30	
	Rochester	74S30	
SN74S301	Signetics	N74S301	
SN74S32	GoldStar	GD74S32	
	National	DM74S32	
		74S32	
	Signetics	74S32	
SN74S37	Signetics	74S37	
SN74S373	National	DM74S373	
	Signetics	74S373	
SN74S374	AMD	AM2954	
		AM74S374	
		SN74S374	
	GoldStar	GD74S374	
	National	DM74S374	
	Signetics	74S374	
SN74S38	Signetics	74S38	
♦ SN74S387	Lansdale	HL7610	
SN74S388	AMD	AM25S18	
SN74S399	AMD	AM25S09	
SN74S40	National	DM74S40	
		74S40	
	Signetics	74S40	
SN74S412	National	DP8212	
SN74S428	National	DP8228	
SN74S436	National	DP36149	
SN74S437	National	DP36179	
SN74S438	National	DP8238	
♦ SN74S454	Lansdale	HL7685	
♦ SN74S472	Lansdale	HL7649	
SN74S474	Hughes	H1831	
		H1832	
♦ SN74S475	Lansdale	HL7640	
	Hughes	H1831	
		H1832	
♦ SN74S476	Lansdale	HL7643	
♦ SN74S477	Lansdale	HL7642	
♦ SN74S478	Lansdale	HL7681	
SN74S51	GoldStar	GD74S51	
	National	DM74S51	
		74S51	
	Signetics	74S51	
SN74S64	National	DM74S64	
		74S64	
	Rochester	74S64	
	Signetics	74S64	
SN74S74	GoldStar	GD74S74	
	National	DM74S74	
		74S74	
	Rochester	74S74	
	Signetics	74S74	
SN74S85	Signetics	74S85	
SN74S86	National	DM74S86	
		74S86	
	Rochester	74S86	
	Signetics	74S86	
♦ SN7400	Lansdale	ML7400	
	Rochester	7400	
♦ SN7401	Lansdale	ML701	
		ML7401	
		SL7401	
♦ SN7401	Rochester	7401	
♦ SN7402	Lansdale	ML7402	
		SL7402	
♦ SN7402	Rochester	7402	
♦ SN7403	Lansdale	ML7403	
	Rochester	7403	
♦ SN7404	Lansdale	ML7404	
	Rochester	7504	
♦ SN7405	Lansdale	ML7405	
	Rochester	7405	
♦ SN7406	Lansdale	ML7406	
	Rochester	7406	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ SN7407	Lansdale	ML7407	
	Rochester	7407	
♦ SN7408	Lansdale	ML7408	
	Rochester	7408	
♦ SN7409	Lansdale	ML7409	
		SL7409	
♦ SN7409	Rochester	7409	
♦ SN7410	Lansdale	ML7410	
	Rochester	7410	
♦ SN74100	Lansdale	ML74100	
		SL74100	
♦ SN74107	Lansdale	ML74107	
♦ SN7412	Lansdale	ML7412	
	Rochester	7412	
♦ SN74121	Lansdale	ML74121	
	Rochester	74121	
♦ SN74122	Lansdale	ML74122	
	Rochester	74122	
♦ SN74123	Lansdale	ML74123	
	Rochester	74123	
♦ SN74125	Rochester	74125	
♦ SN74126	Rochester	74126	
♦ SN7413	Rochester	7413	
♦ SN74132	Rochester	74132	
♦ SN74136	Lansdale	ML74136	
♦ SN7414	Rochester	7414	
♦ SN74141	Lansdale	ML74141	
	Rochester	74141	
♦ SN74143	Rochester	74143	
♦ SN74145	Lansdale	ML74145	
	Rochester	74145	
♦ SN74150	Lansdale	ML74150	
	Rochester	74150	
♦ SN74151	Lansdale	ML74151	
	Rochester	74151	
♦ SN74152	Lansdale	ML74152	
		SL74152	
♦ SN74152	Rochester	74152	
♦ SN74153	Lansdale	ML74153	
	Rochester	74153	
♦ SN74154	Lansdale	ML74154	
♦ SN74155	Lansdale	ML74155	
	Rochester	74155	
♦ SN74156	Lansdale	ML74156	
	Rochester	74156	
♦ SN74157	Rochester	74157	
♦ SN7416	Lansdale	ML7416	
	Rochester	7416	
♦ SN74160	Lansdale	ML74160	
	Rochester	74160	
♦ SN74161	Lansdale	ML74161	
	Rochester	74161	
♦ SN74162	Lansdale	ML74162	
	Rochester	74162	
♦ SN74163	Lansdale	ML74163	
	Rochester	74163	
♦ SN74164	Lansdale	ML74164	
	Rochester	74164	
♦ SN74165	Lansdale	ML74165	
	Rochester	74165	
♦ SN74166	Lansdale	ML74166	
	Rochester	74166	
♦ SN74167	Rochester	74167	
♦ SN7417	Lansdale	ML7417	
	Rochester	7417	
♦ SN74173	Rochester	74173	
♦ SN74174	Lansdale	ML74174	
	Rochester	74174	
♦ SN74175	Lansdale	ML74175	
	Rochester	74175	
♦ SN74176	Lansdale	ML7280	
		ML74176	
♦ SN74176	Rochester	74176	
♦ SN74177	Lansdale	ML7281	
		ML74177	
♦ SN74177	Rochester	74177	
♦ SN74178	Lansdale	ML7270	
		ML74178	
♦ SN74178	Rochester	74178	
♦ SN74179	Lansdale	ML7271	
		ML74179	
♦ SN74179	Rochester	74179	
♦ SN74180	Lansdale	ML74180	
	Rochester	74181	
♦ SN74181	Lansdale	ML74181	
	Rochester	9341	
♦ SN74182	Lansdale	ML74182	
		SL74182	
♦ SN74182	Rochester	74182	
		9342	
♦ SN74184	Rochester	74184	
♦ SN74185	Rochester	74185	
♦ SN74189	Rochester	74185	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ SN74190	Lansdale	ML74190	
	Rochester	74190	
♦ SN74191	Lansdale	ML74191	
	Rochester	74191	
♦ SN74192	Lansdale	ML74192	
♦ SN74193	Lansdale	ML74193	
	Rochester	74193	
♦ SN74194	Lansdale	ML74194	
	Rochester	74194	
♦ SN74195	Lansdale	ML74195	
	Rochester	74195	
♦ SN74196	Lansdale	ML7290	
		ML74196	
♦ SN74196	Rochester	74196	
♦ SN74197	Lansdale	ML74197	
		SL7291	
♦ SN74197	Rochester	74197	
♦ SN74198	Lansdale	ML74198	
		SL74198	
♦ SN74198	Rochester	74198	
♦ SN74199	Lansdale	ML74199	
	Rochester	74199	
♦ SN7420	Lansdale	ML7420	
	Rochester	7420	
♦ SN7421	Rochester	7421	
♦ SN7423	Rochester	7423	
♦ SN7425	Rochester	7425	
♦ SN7426	Lansdale	ML7426	
	Rochester	7426	
♦ SN74265	Rochester	74265	
♦ SN7427	Lansdale	ML7427	
	Rochester	7427	
♦ SN74273	Rochester	74273	
♦ SN74276	Rochester	74276	
♦ SN74279	Rochester	74279	
♦ SN74283	Rochester	74283	
♦ SN74293	Rochester	74293	
♦ SN74298	Rochester	74298	
♦ SN7430	Lansdale	ML7430	
	Rochester	7430	
♦ SN7432	Rochester	7432	
♦ SN7437	Lansdale	ML7437	
	Rochester	7437	
♦ SN7438	Lansdale	ML7438	
♦ SN7439	Rochester	7439	
♦ SN74390	Rochester	74390	
♦ SN7440	Lansdale	ML7440	
	Rochester	7440	
♦ SN7441	Lansdale	ML7441	
♦ SN7442	Lansdale	ML7442	
	Rochester	7442	
♦ SN7443	Lansdale	ML7443	
♦ SN7444	Lansdale	ML7444	
♦ SN7445	Lansdale	ML7445	
	Rochester	7445	
♦ SN7446	Lansdale	ML7446	
	Rochester	7446	
♦ SN7447	Lansdale	ML7447	
		SL7447	
		SL8T04	
♦ SN7447	Rochester	7447	
♦ SN7448	Lansdale	ML7448	
		SL7448	
♦ SN7448	Rochester	7448	
♦ SN7449	Lansdale	ML7449	
♦ SN7450	Rochester	7450	
♦ SN7451	Lansdale	ML7450	
		ML7451	
♦ SN7451	Rochester	7451	
♦ SN7453	Lansdale	ML7453	
		SL7453	
♦ SN7453	Rochester	7453	
♦ SN7454	Lansdale	ML7454	
		SL7454	
♦ SN7454	Rochester	7454	
♦ SN7460	Lansdale	ML7460	
		SL7460	
♦ SN7460	Rochester	7460	
♦ SN7470	Lansdale	ML7470	
		SL7470	
♦ SN7470	Rochester	7470	
♦ SN7472	Lansdale	ML7472	
		SL7472	
♦ SN7472	Rochester	7472	
♦ SN7473	Lansdale	ML7473	
	Rochester	7473	
♦ SN7474	Lansdale	ML7474	
	Rochester	7474	
♦ SN7475	Lansdale	ML7475	
	Rochester	7475	
♦ SN7476	Lansdale	ML7476	
	Rochester	7476	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ SN7480	Lansdale	ML7480	
		SL7480	
♦ SN7480	Rochester	7480	
♦ SN7481	Lansdale	ML4004	
♦ SN7482	Rochester	7482	
♦ SN7483	Lansdale	ML7483	
	Rochester	7483	
♦ SN7484	Lansdale	ML7484	
♦ SN7485	Lansdale	ML7485	
	Rochester	7485	
♦ SN7486	Lansdale	ML7486	
	Rochester	7486	
♦ SN7489	Rochester	7489	
♦ SN7490	Lansdale	ML7490	
♦ SN7491	Lansdale	ML7491	
	Rochester	7491	
♦ SN7492	Lansdale	ML7492	
	Rochester	7492	
♦ SN7493	Lansdale	ML7493	
	Rochester	7493	
♦ SN7494	Lansdale	ML7494	
♦ SN7495	Lansdale	ML7495	
	Rochester	7495	
♦ SN7496	Lansdale	ML7496	
	Rochester	7496	
SN75ALS056	National	DS3696	
SN75064	Allegro		
	Micro	ULN2064	
	SGS-Thomson		
		ULN2064	
	SiliconG	SG2064	
SN75065	Allegro		
	Micro	ULN2065	
	SGS-Thomson		
		ULN2065	
	SiliconG	SG2065	
SN75066	Allegro		
	Micro	ULN2066	
	SGS-Thomson		
		ULN2066	
	SiliconG	SG2066	
SN75067	Allegro		
	Micro	ULN2067	
	SGS-Thomson		
		ULN2067	
	SiliconG	SG2067	
SN75068	Allegro		
	Micro	ULN2068	
	SGS-Thomson		
		ULN2068	
	SiliconG	SG2068	
SN75069	Allegro		
	Micro	ULN2069	
	SGS-Thomson		
		ULN2069	
	SiliconG	SG2069	
SN75070	Allegro		
	Micro	ULN2070	
SN75071	Allegro		
	Micro	ULN2071	
SN75074	Allegro		
	Micro	ULN2074	
	SGS-Thomson		
		ULN2074	
	SiliconG	SG2074	
SN75075	Allegro		
	Micro	ULN2075	
	SGS-Thomson		
		ULN2075	
	SiliconG	SG2075	
SN75076	Allegro		
	Micro	ULN2076	
SN75077	Allegro		
	Micro	ULN2077	
SN75107	Motorola	MC75107	
	National	DS75107	
SN75108	Motorola	MC75108	
	National	DS75108	
	Signetics	NE522	
♦ SN75110	Rochester	75110	
	Motorola	MC75S110	
	National	μA75110	
		DS75110	
SN75113	National	DS75113	
SN75114	National	DS75114	
SN75115	National	DS75115	
♦ SN75120	Rochester	75120	
SN75121	Motorola	MC3481	
	National	DS75121	
SN75122	Motorola	MC75125	
SN75123	National	DS75123	
SN75124	National	DS75124	
SN75125	Motorola	MC3481	
		MC75125	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN75125			(Cont'd)
	National	DS75125	
SN75126	Motorola	MC3481	
SN75127	Motorola	MC75127	
	National	DS75127	
SN75128	Motorola	MC75128	
	National	DS75128	
SN75129	Motorola	MC75129	
	National	DS75129	
♦ SN75140	Rochester	75140	
♦ SN75141	Rochester	75141	
♦ SN75143	Rochester	75143	
♦ SN75150	Rochester	75150	
	Motorola	MC1488	
	National	DS75150	
♦ SN75154	Rochester	75154	
	Motorola	MC1489	
	National	DS75145	
SN75160	Motorola	MC3447	
	National	DS75160	
SN75161	National	DS75161	
SN75162	National	DS75162	
SN751701	Samsung	KS5789	
SN75172	LinearTech	LTC486	
	National	μA96172	
		DS96172	
SN75173	National	μA96173	
		DS96173	
SN75174	LinearTech	LTC487	
	National	μA96174	
		DS96174	
SN75175	National	μA96175	
		DS96175	
♦ SN75176	Rochester	75176	
	LinearTech	LTC485	
	National	μA96176	
		DS36F95	
		DS3695	
		DS75176	
		DS96176	
SN75177	National	μA96177	
		DS96F177	
		DS96177	
SN75182	National	DS8820	
SN75183	National	DS8830	
SN75186	LinearTech	LT1134	
SN75188	Motorola	MC1488	
	National	DS1488	
	Samsung	MC1488	
	SGS-Thomson		
		MC1488	
	Signetics	MC1488	
	SiliconG	SG75188	
SN75189	Motorola	MC1489	
	National	DS1489	
	Samsung	MC1489	
	SGS-Thomson		
		MC1489	
	Signetics	MC1489	
	SiliconG	SG1468	
		SG75189	
♦ SN7520	Rochester	7520	
SN75207	Motorola	MC75107	
SN75208	Motorola	MC75108	
	National	DS75208	
♦ SN7522	Rochester	7522	
♦ SN7523	Rochester	7523	
SN75234	SiliconG	SG75234	
♦ SN7524	Rochester	7524	
	SiliconG	SG7524	
SN75251	Motorola	MC3471	
SN75322	National	μA9643	
		DS9643	
SN75325	National	DS75325	
	SiliconG	SG75325	
SN75326	SiliconG	SG75326	
SN75327	SiliconG	SG75327	
♦ SN75357	Rochester	75357	
SN75361	National	DS75361	
♦ SN75363	Rochester	75363	
	National	μA9643	
		DS9643	
SN75365	National	DS75365	
♦ SN75369	Rochester	75369	
	National	DS0026	
SN75407	Allegro		
	Micro	UDN5732	
		UDN5752	
SN75430	SiliconG	SG75430	
SN75431	SiliconG	SG75431	
SN75432	SiliconG	SG75432	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN75433	SiliconG	SG75433	
SN75434	SiliconG	SG75434	
SN75435	National	DS3668	
SN75436	National	DS3658	
SN75437	Allegro		
	Micro	UDN2543	
	National	DS3658	
SN75438	National	DS3658	
SN75440	National	DS3669	
SN754410	Allegro		
	Micro	UDN2993	
SN754411	Allegro		
	Micro	UDN2993	
SN75450	National	DS75450	
	SiliconG	SG75450	
SN75451	National	DS75451	
	SiliconG	SG75451	
SN75452	National	DS75452	
	SiliconG	SG75452	
SN75453	National	DS75453	
	SiliconG	SG75453	
SN75454	National	DS75454	
	SiliconG	SG75454	
SN75460	SiliconG	SG75460	
SN75461	National	DS75461	
	SiliconG	SG75461	
SN75462	National	DS75462	
	SiliconG	SG75462	
SN75463	National	DS75463	
	SiliconG	SG75463	
SN75464	National	DS75464	
	SiliconG	SG75464	
SN75465	Allegro		
	Micro	ULN2025	
SN75466	Allegro		
	Micro	ULN2021	
	Motorola	MC1411	
SN75467	Allegro		
	Micro	ULN2022	
	Motorola	MC1412	
SN75468	Allegro		
	Micro	ULN2023	
	Motorola	MC1413	
SN75469	Allegro		
	Micro	ULN2024	
SN75470	SiliconG	SG75470	
SN75471	Allegro		
	Micro	UDN3611	
	National	DS3631	
	SiliconG	SG75471	
SN75472	Allegro		
	Micro	UDN3612	
	National	DS3632	
	SiliconG	SG75472	
SN75473	Allegro		
	Micro	UDN3613	
	National	DS3633	
	SiliconG	SG75473	
SN75474	Allegro		
	Micro	UDN3614	
	National	DS3634	
	SiliconG	SG75474	
SN75475	Allegro		
	Micro	UDN5712	
	Motorola	MC1427	
SN75476	Samsung	KA2655	
SN75477	Allegro		
	Micro	UDN5722	
	National	DS3632	
	Samsung	KA2656	
SN75478	Allegro		
	Micro	UDN5713	
	Samsung	KA2657	
SN75479	Allegro		
	Micro	UDN5714	
SN75480	National	DS8880	
SN75491	National	DS75491	
SN75492	National	DS75492	
SN75494	National	DS75494	
SN75500	Allegro		
	Micro	UCN5857	
SN75501	Allegro		
	Micro	UCN5858	
♦ SN75512	Rochester	75512	
	Allegro		
	Micro	UCN5811	
SN75518	Allegro		
	Micro	UCN5818	
	Gould AMI	S4535	
SN75551	Allegro		
	Micro	UCN5851	
SN75552	Allegro		
	Micro	UCN5852	
SN75554	Allegro		
	Micro	UCN5853	

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Manufacturer Device	Replacement Source	Device	IC Master Page
SN75605	Allegro		
	Micro	UDN2950	
	Unitrode	UC2950	
SN76514	Motorola	MC1496	
SN76564	Motorola	MC13010	
SN76565	Motorola	MC13010	
SN76591	Motorola	MC1391	
SN76600	Motorola	MC1350	
SN76642	Allegro		
	Micro	ULN2111	
SN76643	Allegro		
	Micro	ULN2111	
SN76665	Motorola	MC13010	
SP3724	Allegro		
	Micro	TPQ3724	
SP3725	Allegro		
	Micro	TPQ3725	
TACT7201	Vitelic	V61C01	
TACT7202	Vitelic	V61C02	
TA75555	Samsung	NE555	
TA76494	Motorola	TL494	
♦ TBP14SA10	Lansdale	HL7610	
♦ TBP14S10	Lansdale	HL7611	
TBP18SA030	Fujitsu	MB7111	
	Signetics	82S23	
♦ TBP18SA46	Lansdale	HL7640	
TBP18S030	Fujitsu	MB7112	
	Signetics	82S123	
♦ TBP18S42	Lansdale	HL7649	
♦ TBP18S46	Lansdale	HL7641	
TBP24SA10	Fujitsu	MB7113	
	Signetics	82S126	
♦ TBP24SA41	Lansdale	HL7642	
	Fujitsu	MB7121	
	Signetics	82S137	
♦ TBP24S10	Lansdale	HL7611	
	Fujitsu	MB7114	
	Signetics	82S129	
♦ TBP24S41	Lansdale	HL7643	
	Fujitsu	MB7122	
	Signetics	82S137	
♦ TBP24S81	Lansdale	HL7685	
	Fujitsu	MB7128	
	Signetics	82S185	
TBP28LA22	Fujitsu	MB7117	
	Signetics	82S135	
TBP28L22	Fujitsu	MB7118	
	Signetics	82S135	
TBP28L42	Signetics	82S147	
TBP28L46	Signetics	82S141	
TBP28L86	Signetics	82S181	
TBP28SA42	Fujitsu	MB7123	
	Signetics	82S147	
TBP28SA46	Signetics	82S141	
TBP28SA86	Signetics	82S181	
♦ TBP28S166	Lansdale	HL76161	
	Cypress	CY7C292	
	Fujitsu	MB71A38	
		MB7138	
♦ TBP28S166	Signetics	82S191	
TBP28S2708	Signetics	82S181	
TBP28S42	Fujitsu	MB7124	
	Signetics	82S147	
TBP28S46	Signetics	82S141	
♦ TBP28S86	Lansdale	HL7681	
	Cypress	CY7C282	
	Fujitsu	MB7132	
	Signetics	82S181	
TBP34L10	Signetics	82S129	
TBP34L12	Signetics	82S129	
TBP34L162	Signetics	82HS195	
TBP34SA10	Signetics	82S126	
TBP34SA12	Signetics	82S126	
TBP34SA162	Signetics	82HS195	
TBP34SA41	Signetics	82S137	
TBP34S10	Signetics	82S129	
TBP34S12	Signetics	82S129	
TBP34S162	Signetics	82HS195	
TBP34S41	Signetics	82S137	
TBP34S42	Signetics	82S147	
TBP38L165	Fujitsu	MB71A38	
		MB7138	
TBP38L166	Fujitsu	MB71A38	
		MB7138	
TBP38L22	Signetics	82S135	
TBP38R165	Fujitsu	MB7238	
TBP38SA030	Fujitsu	MB7111	
	Signetics	82S23	
TBP38SA032	Signetics	82S23	
TBP38SA165	Signetics	82S191	
TBP38SA166	Signetics	82S191	
TBP38SA167	Signetics	82S191	
TBP38SA22	Signetics	82S135	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TBP38S030	Fujitsu	MB7112	
TBP38S032	Signetics	82S123	
TBP38S165	Fujitsu	MB71A38	
		MB7138	
TBP38S166	Fujitsu	MB71A38	
		MB7138	
TBP38S167	Signetics	82S191	
TBP38S22	Signetics	82S135	
TBP38S85	Signetics	82S185	
TBP38S86	Signetics	82S181	
TCM1101	UMC	UM9151	
TCM5087	GEC Plessey	MV5087	
	UMC	UM95087	
TCM5089	GEC Plessey	MV5089	
	UMC	UM95089	
TCM5092	UMC	UM95088	
TC4136	Panasonic	AN6554	
THCT4502	Micro-C	4502	
TIBPAD16N8	Lattice	GAL16V8	
		GAL18V10	
TIBPAD16N8-7C			
	Signetics	**PHD16N8-5 (3661)**	
TIBPAL16L8	AMD	AMPAL16L8	
		PAL16L8	
	Cypress	CYPALC16L8	
	Lattice	GAL16V8	
	Samsung	CPL16L8	
TIBPAL16L8-10C			
	Signetics	PLUS16L8D	
TIBPAL16L8-7	Signetics	PLUS16L8-7	
TIBPAL16R4	AMD	AMPAL16R4	
		PAL16R4	
	Cypress	CYPALC16R4	
	Lattice	GAL16V8	
	Samsung	CPL16R4	
TIBPAL16R4-10C			
	Signetics	PLUS16R4D	
TIBPAL16R4-7C			
	Signetics	PLUS16R4-7N	
TIBPAL16R6	AMD	AMPAL16R6	
		PAL16R6	
	Cypress	CYPALC16R6	
	Lattice	GAL16V8	
	Samsung	CPL16R6	
TIBPAL16R6-10C			
	Signetics	PLUS16R6D	
TIBPAL16R6-7C			
	Signetics	PLUS16R6-7	
TIBPAL16R8	AMD	PAL16R8	
	Cypress	CYPALC16R8	
	Lattice	GAL16V8	
	Samsung	CPL16R8	
TIBPAL16R8-10C			
	Signetics	PLUS16R8D	
TIBPAL16R8-7C			
	Signetics	PLUS16R8-7	
TIBPAL20L10	AMD	AMPAL20L10	
		PAL20L10	
	Cypress	CYPLDC20G10	
	Samsung	CPL20L10	
TIBPAL20L8	AMD	PAL20L8	
	Cypress	CYPLDC20G10	
	Lattice	GAL20V8	
	Samsung	CPL20L8	
TIBPAL20L8-10C			
	Signetics	PLUS20L8D	
TIBPAL20L8-7C			
	Signetics	PLUS20L8-7	
TIBPAL20L8-7FN			
	Signetics	PLUS20L8-7A	
TIBPAL20R4	AMD	PAL20R4	
	Cypress	CYPLDC20G10	
	Lattice	GAL20V8	
	Samsung	CPL20R4	
TIBPAL20R4-10C			
	Signetics	PLUS20R4D	
TIBPAL20R4-7C			
	Signetics	PLUS20R4-7	
TIBPAL20R6	AMD	PAL20R6	
	Cypress	CYPLDC20G10	
	Lattice	GAL20V8	
	Samsung	CPL20R6	
TIBPAL20R6-10C			
	Signetics	PLUS20R6D	
TIBPAL20R6-7C			
	Signetics	PLUS20R6-7	
TIBPAL20R8	AMD	PAL20R8	
	Cypress	CYPLDC20G10	
	Lattice	GAL20V8	
	Samsung	CPL20R8	
TIBPAL20R8-10C			
	Signetics	PLUS20R8D	
TIBPAL20R8-10CN			
	Signetics	PLUS20R8DN	

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♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Texas Instruments (Cont'd)			
TIBPAL20R8-7C			
	Signetics	PLUS20R8-7	
TIBPAL20X10	AMD	PAL20X10	
TIBPAL20X4	AMD	PAL20X4	
TIBPAL20X8	AMD	TIBPAL20X8	
TIBPAL22V10	AMD	AMPAL22V10	
		C22V10	
	Cypress	CYPALC22V10	
	Gould AMI	**PEEL22CV10**	**(3499)**
	Lattice	GAL22V10	
	Samsung	CPL22V10	
TIBPAL22V10A			
	Gould AMI	**PEEL22CV10**	**(3499)**
TIB82S105	AMD	PLS105	
TIB82S167	AMD	PLS167	
TICPAL1010	**Waferscale**	**WS59510**	**(3753)**
TICPAL16L8	Lattice	GAL16V8	
TICPAL16R4	Lattice	GAL16V8	
TICPAL16R6	Lattice	GAL16V8	
TICPAL16R8	Lattice	GAL16V8	
TICPAL18V8	**Gould AMI**	**PEEL18CV8**	**(3499)**
TICPAL22V10	**Gould AMI**	**PEEL22CV10**	**(3499)**
	Lattice	GAL22V10	
TID121	Allegro		
	Micro	TND933	
TID122	Allegro		
	Micro	TND940	
TID123	Allegro		
	Micro	TND938	
TID124	Allegro		
	Micro	TND939	
TIEPAL10H16	Cypress	CY10E301	
TLC0820	AD	PM0820	
	Crystal	CS7280	
	MicroLinear	ML2261	
TLC1078	AD	OP290	
TLC1079	AD	OP490	
TLC2201	AD	OP97	
TLC25L2	AD	OP290	
TLC25L4	AD	OP490	
TLC25M2	AD	OP221	
TLC25M4	AD	OP421	
TLC251	AD	OP22	
	Harris	CA3440	
TLC252	AD	OP221	
	Harris	CA5260	
TLC254	AD	OP421	
	Harris	**CA5470**	**(3508)**
TLC2652	AD	OP177	
TLC2654	AD	OP177	
TLC27L2	AD	OP290	
	SGS-Thomson	TS27L2	
TLC27L4	AD	OP490	
	SGS-Thomson	TS27L4	
TLC27L7	AD	OP290	
TLC27L9	AD	OP490	
TLC27M2	AD	OP221	
	Harris	CA5260	
	SGS-Thomson	TS27M2	
TLC27M4	AD	OP421	
	SGS-Thomson	TS27M4	
TLC27M7	AD	OP221	
TLC27M9	AD	OP421	
TLC271	AD	OP22	
	SGS-Thomson	TS271	
TLC272	AD	OP290	
	Harris	CA5260	
	Samsung	KA3000	
		KS272	
	SGS-Thomson	TS272	
TLC274	AD	OP421	
		OP490	
	Harris	**CA5470**	**(3508)**
	National	LMC660	
	Samsung	KS274	
	SGS-Thomson	TS274	
TLC277	AD	OP290	
TLC279	AD	OP490	
TLC339	SGS-Thomson	TS339	
TLC3702	SGS-Thomson	TS3702	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
TLC3704	SGS-Thomson	TS3704	
TLC372	SGS-Thomson	TS372	
TLC374	SGS-Thomson	TL374	
TLC393	SGS-Thomson	TS393	
TLC532	National	ADC0829	
TLC533	National	ADC0829	
TLC540	National	ADC0811	
TLC541	National	ADC0811	
TLC549	GEC Plessey	ZN509	
	National	ADC0831	
TLC555	Harris	ICM7555	
	Samsung	KS555	
	Signetics	ICM7555	
TLC556	Harris	ICM7556	
	Samsung	KS556	
TLC628	MicroPwr	MP7628	
TLC7135	Harris	ICL7135	
TLC7520	MicroPwr	MP7520	
TLC7524	AD	PM7524	
	GEC Plessey	ZN558	
	MicroPwr	MP7524	
TLC7528	AD	PM7528	
	MicroPwr	MP7528	
TLC7533	MicroPwr	MP7533	
TLC7628	MicroPwr	MP7628	
TLP298	Unitrode	L298	
TL022	AD	OP221	
	Motorola	LM158	
		LM358	
	NJR	NJM022	
TL040	SiliconG	SG040	
TL044	AD	OP421	
	Motorola	LM124	
		LM324	
TL061	Motorola	MC33181	
	National	LF441	
	SGS-Thomson	TL061	
TL062	Exar	XR062	
	Motorola	MC33182	
	National	LF442	
	NJR	**NJM062**	**(3594)**
	SGS-Thomson	TL062	
TL064	Micro-C	064	
	Motorola	MC33184	
	National	LF444	
	NJR	**NJM064**	**(3594)**
	SGS-Thomson	TL064	
TL071	AD	OP15	
	AnalogSys	MA332	
		MA333	
		MA362	
	National	LF351	
		LF411	
	SGS-Thomson	TL071	
TL072	AnalogSys	MA336	
		MA372	
	Motorola	MC33282	
	National	LF353	
		LF412	
	NJR	NJM072	
	SGS-Thomson	TL072	
	Signetics	NE5532	
TL074	AnalogSys	MA374	
	National	LF347	
	NJR	**NJM074**	**(3594)**
	SGS-Thomson	TL074	
TL0808	GEC Plessey	ZN437	
TL0809	GEC Plessey	ZN437	
TL081	AD	OP15	
	AnalogSys	MA332	
		MA333	
		MA362	
	National	LF411	
		TL081	
	Panasonic	AN1081	
	SGS-Thomson	TL081	
TL082	AnalogSys	MA336	
		MA372	
	Fujitsu	MB4547	
		MB47082	
		MB47082P	
		MB47082PF	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TL082			(Cont'd)
	Motorola	MC33282	
	National	LF412	
		TL082	
	NJR	NJM082	
	Panasonic	AN1082	
	SGS-Thomson	TL082	
TL084	AnalogSys	MA374	
	Motorola	MC33284	
	National	LF347	
	NJR	NJM084	
	Panasonic	AN1084	
	Samsung	KF347	
	SGS-Thomson	TL084	
TL087	AD	OP15	
	National	LF411	
TL088	AD	OP15	
	National	LF411	
TL111	SiliconG	SG111	
TL117	SiliconG	SG117	
	Unitrode	UC117	
TL136	AD	OP420	
	AnalogSys	MA374	
TL1525	SiliconG	SG1525	
	Unitrode	UC1525	
TL1527	SiliconG	SG1527	
	Unitrode	UC1527	
TL170	Allegro		
	Micro	UGN3130	
TL172	Allegro		
	Micro	UGN3119	
TL173	Allegro		
	Micro	UGN3503	
TL185	Harris	HI5045	
TL188	Harris	HI5042	
TL191	Harris	HI5043	
		IC5043	
TL2525	SiliconG	SG2525	
	Unitrode	UC2525	
TL2527	SiliconG	SG2527	
	Unitrode	UC2527	
TL288	AD	OP215	
	National	LF412	
TL291	AnalogSys	MA332	
		MA362	
TL292	AnalogSys	MA372	
TL321	AD	OP21	
TL322	AD	OP220	
		OP221	
TL431	Astec Semi	AS431	
	LinearTech	LT1431	
	Samsung	KA431	
TL4558	Panasonic	AN6556	
TL4810	Allegro		
	Micro	UCN5810	
		UCQ5810	
TL487	National	LM3915	
TL489	National	LM3914	
TL490	National	LM3914	
TL491	National	LM3914	
TL493	SiliconG	UC493	
TL494	Allegro		
	Micro	TL594	
	Fujitsu	MB3759	
	Unitrode	UC494	
TL495	Allegro		
	Micro	TL595	
	Unitrode	UC495	
TL497	Motorola	MC34063	
♦ TL510	Rochester	TL510	
	AD	CMP05	
TL520	National	ADC0848	
TL521	National	ADC0848	
TL522	National	ADC0848	
TL530	National	ADC0830	
TL531	National	ADC0830	
TL532	National	ADC0829	
TL533	National	ADC0829	
TL5501	Fujitsu	MB40576	
TL5502	Fujitsu	MB40578	
TL5601	Fujitsu	MB40776	
TL5602	Fujitsu	MB40778	
TL5632	Fujitsu	MB40978	
TL5812	Allegro		
	Micro	UCN5812	
		UCQ5812	
TL592	Signetics	NE592	
TL594	Allegro		
	Micro	TL594	
TL595	Allegro		
	Micro	TL595	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TL7702	SGS-Thomson	TL7702	
TL7705	SGS-Thomson	TL7705	
TL7709	SGS-Thomson	TL7709	
TL7712	SGS-Thomson	TL7712	
TL7715	SGS-Thomson	TL7715	
TL7805	Motorola	MC35063	
TL801	Samsung	KF351	
TL802	Samsung	KF353	
TMP44C251	Micro-C	V256KX4	
TMS1259	MicronTech	MT1259	
TMS201024	Micro-C	511000	
TMS2114	AMD	AM91L14	
	Krueger	**2114-150**	**(3548)**
		2114-200	**(3548)**
		2114-450	**(3548)**
TMS211420	AMD	AM9114	
TMS2149	**Krueger**	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**
TMS25L32	Micro-C	25L32	
TMS2516	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
	Micro-C	2516	
TMS2532	**Krueger**	**2532-350**	**(3548)**
		2532-450	**(3548)**
	Micro-C	2532	
TMS2564	Micro-C	2564	
TMS2564-45	Krueger	2564-450	
TMS27C010	AMD	AM27C010	
	Krueger	27C010	
	NEC	μPD27C1001	
	Toshiba	TC571000	
TMS27C128	AMD	AM27C128	
		AM27C64	
	Krueger	27C128-200	
		27C128-250	
	Micro-C	27C128	
	Waferscale	WS27C128	
TMS27C191	SEEQ	36C16	
TMS27C210	Krueger	27C210	
	NEC	μPD27C1024	
	Toshiba	TC57102	
TMS27C210-200			
	Signetics	27C210-20	
TMS27C210-200JL			
	Signetics	27C210-FA	
TMS27C256	AMD	AM27C256	
	Cypress	CY7C274	
	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	NEC	μPD27C256	
	SEEQ	27C256	
	Signetics	27C256-20	
	Toshiba	TC57256	
	Waferscale	WS27C256	
TMS27C256-120			
	Signetics	27C256-12	
TMS27C256-2E			
	Signetics	27C256I-20	
TMS27C291	Cypress	CY7C291	
	SEEQ	36C16	
TMS27C292	Cypress	CY7C292	
	Waferscale	WS57C191	
		WS57C291	
TMS27C49	Cypress	CY7C264	
	Micro-C	27C64	
TMS27C512	AMD	AM27C512	
	Cypress	CY7C286	
	Micro-C	27C512	
	Toshiba	TC27512	
TMS27C512-2E			
	Signetics	27C512I-20	
TMS27C64	Krueger	27C64-200	
		27C64-250	
		27C64-300	
TMS27C64-15			
	Signetics	27C64-15	
TMS27C64-20			
	Signetics	27C64A-20	
TMS27L08	Micro-C	27L08	
TMS27PC256	Toshiba	TC54256	
TMS27PC256-1			
	Signetics	27C256-17	
TMS27PC256-150			
	Signetics	27C256-15	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Texas Instruments (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
TMS27PC512-2			
	Signetics	27C512-15	
		27C512-20	
TMS27PC64-1NL			
	Signetics	27C64-15N	
TMS27P64	Catalyst		
	Semi	CAT2764	
TMS2708	Micro-C	2708	
TMS27128	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
TMS2716	Krueger	2716T-350	
		2716T-450	
	Micro-C	2716	
TMS2732	Micro-C	2732	
TMS2732A	Krueger	2732A-250	
		2732A-300	
		2732A-350	
		2732A-450	
TMS2764	Cypress	CY7C266	
	Krueger	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
	Micro-C	2764	
	SEEQ	2764	
TMS278C49	NEC	μPD27HC65	
	Waferscale	WS57C49	
TMS2797	Micro-C	2797	
TMS28L166	Cypress	CY7C292	
TMS28L86	Cypress	CY7C282	
TMS29F256	Micro-C	29F256	
TMS320C10	Micro-C	320C10	
TMS320C25	Micro-C	320C25	
TMS320C601	Cypress	CY7C601	
TMS320C602	Cypress	CY7C602	
TMS320C604	Cypress	CY7C604	
TMS32020	Micro-C	32020	
TMS370	Hitachi	HD647180	
TMS38L165	Cypress	CY7C291	
TMS38L166	Cypress	CY7C292	
TMS38L85	Cypress	CY7C281	
TMS38R165	Cypress	CY7C245	
TMS38R85	Cypress	CY7C235	
TMS38S165	Cypress	CY7C291	
TMS38S85	Cypress	CY7C281	
TMS38030	Micro-C	38030	
TMS4C1024	Krueger	511000-100	
		511000-70	
		511000-80	
	Micro-C	511000	
	MicronTech	MT4C1024	
	Motorola	MCM511000	
	NEC	μPD421000	
	OKI	MSM511000	
	Toshiba	TC511000	
		TC511000B	
TMS4C1025	Micro-C	511001	
	MicronTech	MT4C1025	
	Motorola	MCM511001	
	NEC	μPD421001	
	OKI	MSM511001	
	Toshiba	TC511001	
		TC511001B	
TMS4C1026	Toshiba	TC511002	
TMS4C1027	MicronTech	MT4C1026	
	Motorola	MCM511002	
	NEC	μPD421002	
	OKI	MSM511002	
TMS4C1050	OKI	MSM514221	
TMS4C4256	MicronTech	MT4067	
TMS4016	**Krueger**	**2128-100**	**(3548)**
		2128-120	**(3548)**
TMS4045	**Krueger**	**2114-200**	**(3548)**
TMS4045A	**Krueger**	**2114-150**	**(3548)**
		2114-450	**(3548)**
TMS4116	Krueger	4116-120	
		4116-150	
		4116-200	
TMS41256	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
TMS416C64	MicronTech	MT4C1664	
TMS416C65	MicronTech	MT4C1665	
TMS4161	Micro-C	V64KX1	
TMS416100	MicronTech	MT4C10016	
TMS4164	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**

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Manufacturer Device	Replacement Source	Device	IC Master Page
TMS4164			(Cont'd)
	Micro-C	4164	
	OKI	MSM3764	
TMS416400	MicronTech	MT4C40004	
TMS4245	AMD	AM9114	
TMS4256	GoldStar	GM71256	
	Micro-C	41256	
	NEC	μPD41256	
	OKI	MSM41256	
	Vitelic	V53C256	
TMS4257	Micro-C	41257	
	OKI	MSM41257	
TMS44C250	MicronTech	MT42C4255	
		MT42C8127	
TMS44C251	Micro-C	V256KX4	
	MicronTech	MT42C4256	
	NEC	μPD42273	
		μPD42274	
	Samsung	KM424C257	
TMS44C256	GoldStar	GM71C4256	
		GM71C7256	
	Krueger	514256-100	
		514256-70	
		514256-80	
	Micro-C	414256	
	MicronTech	MT4C4256	
	Motorola	MCM514256	
	NEC	μPD424256	
	Toshiba	TC514256	
		TC514256B	
	Vitelic	V53C104	
TMS44C257	MicronTech	MT4C4258	
TMS44C260	MicronTech	MT4C4259	
TMS44100	MicronTech	MT4C1004	
	NEC	μPD424100	
	Toshiba	TC514100	
TMS44102	MicronTech	MT4C1006	
TMS4416	Krueger	41416-100	
		41416-120	
		41416-150	
	Micro-C	41416	
TMS44400	MicronTech	MT4C1001	
	NEC	μPD424400	
	Toshiba	TC514400	
TMS44402	MicronTech	MT4C4003	
TMS44410	MicronTech	MT4C4005	
TMS4461	GoldStar	GM53C261	
		GM53C461	
	Krueger	4461-100	
		4461-120	
		4461-150	
	NEC	μPD41264	
	Samsung	KM424C64	
	Vitelic	V53C261	
TMS4464	GoldStar	GM71C464	
	Krueger	41464-100	
		41464-120	
		41464-150	
	NEC	μPD41464	
	Vitelic	V53C464	
TMS4500	Micro-C	4500	
TMS4764	Hughes	H23C64	
		H23C65	
TMS48CW128			
	Vitelic	V53C129	
TMS48C121	MicronTech	MT42C8128	
	NEC	μPD42275	
TMS48C128	Vitelic	V53C128	
TMS5001	SMC	KR9600	
		KR9601	
		KR9602	
TMS6011	SMC	COM8017	
TMS61CD256	Cypress	CY7C197	
TMS62256	Micro-C	S32KX8	
	Toshiba	TC55257	
TMS62456	NEC	μPD431004	
TMS6264	Toshiba	TC5563	
		TC5565	
TMS62828	NEC	μPD431000	
	Toshiba	TC551001	
TMS64C256	Cypress	CY7C194	
TMS6708	Toshiba	TC55B464	
		TC55464	
TMS6709	Toshiba	TC55465	
TMS6787	Toshiba	TC5561	
		TC5562	
TMS6788	Toshiba	TC55B417	
		TC55416	
TMS6789	Toshiba	TC55417	
TMS68CE256	Cypress	CY7C198	
TMS7000	Hitachi	HD6301	
		HD647180	
TMS7489	Cypress	CY7C189	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TMS77211	Samsung	KS82C411	
TMS7742	Micro-C	7742	
TMS9914	Micro-C	9914	
	SMC	COM7210	
TMS9927	Micro-C	9927	
	SMC	CRT5037	
TMS9937	Micro-C	9937	
	SMC	CRT5037	
TMX320C30	Micro-C	320C30	
TMX4C1024	GoldStar	GM71C1000	
TM024-8	Vitelic	V100AJ8	
TM024-9	Vitelic	V100AJ9	
TM024EAD9	Motorola	MCM91000	
	Toshiba	THM91000	
TM024GAD8	Motorola	MCM81000	
	NEC	MC421000A8	
	Samsung	KMM581000	
	Toshiba	THM81000	
TM024GAD9	NEC	MC421000A9	
	Samsung	KMM591000	
TM4256-8	Motorola	MCM84256	
	Vitelic	V256J8	
TM4256-9	Motorola	MCM94256	
	Vitelic	V256J9	
TM4256GU8	Samsung	KMM58256	
	Toshiba	THM82500	
TM4256GU9	Samsung	KMM59256	
TM42566U9	Toshiba	THM92500	
TM62457	MicronTech	MT5C1005	
TM6707	MicronTech	MT5C2561	
TM6708	MicronTech	MT5C2564	
TM6787	MicronTech	MT5C1608	
		MT5C6401	
TM6788	MicronTech	MT5C6404	
TM6789	MicronTech	MT5C6405	
TP4001	GoldStar	GD4001	
TP4002	GoldStar	GD4002	
TP4008	GoldStar	GD4008	
TP4011	GoldStar	GD4011	
TP4012	GoldStar	GD4012	
TP4013	GoldStar	GD4013	
TP4014	GoldStar	GD4014	
TP4015	GoldStar	GD4015	
TP4016	GoldStar	GD4016	
TP4018	GoldStar	GD4018	
TP4019	GoldStar	GD4019	
TP4020	GoldStar	GD4020	
TP4021	GoldStar	GD4021	
TP4022	GoldStar	GD4022	
TP4023	GoldStar	GD4023	
TP4024	GoldStar	GD4024	
TP4025	GoldStar	GD4025	
TP4027	GoldStar	GD4027	
TP4028	GoldStar	GD4028	
TP4029	GoldStar	GD4029	
TP4030	GoldStar	GD4030	
TP4035	GoldStar	GD4035	
TP4040	GoldStar	GD4040	
TP4041	GoldStar	GD4041	
TP4042	GoldStar	GD4042	
TP4043	GoldStar	GD4043	
TP4044	GoldStar	GD4044	
TP4047	GoldStar	GD4047	
TP4049	GoldStar	GD4049	
TP4050	GoldStar	GD4050	
TP4051	GoldStar	GD4051	
TP4052	GoldStar	GD4052	
TP4053	GoldStar	GD4053	
TP4066	GoldStar	GD4066	
TP4068	GoldStar	GD4068	
TP4069	GoldStar	GD4069	
TP4071	GoldStar	GD4071	
TP4075	GoldStar	GD4075	
TP4078	GoldStar	GD4078	
TP4081	GoldStar	GD4081	
TP4360	GoldStar	GD40160	
TP4361	GoldStar	GD40161	
TP4363	GoldStar	GD40163	
TP4511	GoldStar	GD4511	
TP4512	GoldStar	GD4512	
TP4518	GoldStar	GD4518	
TP4520	GoldStar	GD4520	
TP4522	GoldStar	GD4522	
TP4526	GoldStar	GD4526	
TP4531	GoldStar	GD4531	
TP4539	GoldStar	GD4539	
TP4582	GoldStar	GD4582	
UCN4810	Allegro		
	Micro	UCN5810	
UCN4810A	Gould AMI	S4534	
UC3527	LinearTech	SG3527	
UDN2841	Allegro		
	Micro	UDN2841	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
UDN2845	Allegro		
	Micro	UDN2845	
UDN5711	Allegro		
	Micro	UDN5711	
UDN5712	Allegro		
	Micro	UDN5712	
UDN5713	Allegro		
	Micro	UDN5713	
UDN5714	Allegro		
	Micro	UDN5714	
ULN2001	Allegro		
	Micro	ULN2001	
	SGS-Thomson		
		ULN2001	
		ULQ2001	
ULN2002	Allegro		
	Micro	ULN2002	
	SGS-Thomson		
		ULN2002	
		ULQ2002	
ULN2003	Allegro		
	Micro	ULN2003	
	SGS-Thomson		
		ULN2003	
		ULQ2003	
ULN2004	Allegro		
	Micro	ULN2004	
	SGS-Thomson		
		ULN2004	
		ULQ2004	
ULN2005	Allegro		
	Micro	ULN2005	
ULN2064	Allegro		
	Micro	ULN2064	
	SGS-Thomson		
		ULN2064	
ULN2065	Allegro		
	Micro	ULN2065	
	SGS-Thomson		
		ULN2065	
ULN2066	Allegro		
	Micro	ULN2066	
	SGS-Thomson		
		ULN2066	
ULN2067	Allegro		
	Micro	ULN2067	
	SGS-Thomson		
		ULN2067	
ULN2068	Allegro		
	Micro	ULN2068	
	SGS-Thomson		
		ULN2068	
ULN2069	Allegro		
	Micro	ULN2069	
	SGS-Thomson		
		ULN2069	
ULN2074	Allegro		
	Micro	ULN2074	
	SGS-Thomson		
		ULN2074	
ULN2075	SGS-Thomson		
		ULN2075	
ULN2803	SGS-Thomson		
		ULN2803	
ULN2804	SGS-Thomson		
		ULN2804	
UL4810	Gould AMI	S4534	
16L8	Micro-C	16L8	
2101	Hughes	H1822	
♦ 28LA22	Rochester	28LA22	
♦ 28L22	Rochester	28L22	
28586-60	Gould AMI	S25089	
38S165	Waferscale	WS57C191	
		WS57C291	
54ALS234	IDT	IDT72403	
54ALS235	IDT	IDT72413	
54ALS236	IDT	IDT72401	
♦ 54L193	Rochester	54L193	
♦ 54L77	Rochester	54L77	
♦ 54L93	Rochester	54L93	
♦ 54L95	Rochester	54L95	
♦ 54L96	Rochester	54L96	
♦ 54L99	Rochester	54L99	
♦ 54S168	Rochester	54S168	
♦ 54S226	Rochester	54S226	
♦ 54S281	Rochester	54S281	
♦ 54100	Rochester	54100	
♦ 54105	Rochester	54105	
♦ 54148	Rochester	54148	
		7618	
♦ 54154	Rochester	54154	
♦ 54181	Rochester	7181	
♦ 54368	Rochester	54368	
74ACT11000	Signetics	74ACT11000	
74ACT11002	Signetics	74ACT11002	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
Texas Instruments (Cont'd)			
74ACT11004	Signetics	74ACT11004	
74ACT11008	Signetics	74ACT11008	
74ACT11010	Signetics	74ACT11010	
74ACT11011	Signetics	74ACT11011	
74ACT11013	Signetics	74ACT11013	
74ACT11014	Signetics	74ACT11014	
74ACT11020	Signetics	74ACT11020	
74ACT11021	Signetics	74ACT11021	
74ACT11027	Signetics	74ACT11027	
74ACT11030	Signetics	74ACT11030	
74ACT11032	Signetics	74ACT11032	
74ACT11034	Signetics	74ACT11034	
74ACT11051	Signetics	74ACT11051	
74ACT11074	Signetics	74ACT11074	
74ACT11086	Signetics	74ACT11086	
74ACT11109	Signetics	74ACT11109	
74ACT11112	Signetics	74ACT11112	
74ACT11132	Signetics	74ACT11132	
74ACT11138	Signetics	74ACT11138	
74ACT11139	Signetics	74ACT11139	
74ACT11150	Signetics	74ACT11150	
74ACT11151	Signetics	74ACT11151	
74ACT11153	Signetics	74ACT11153	
74ACT11154	Signetics	74ACT11154	
74ACT11157	Signetics	74ACT11157	
74ACT11158	Signetics	74ACT11158	
74ACT11160	Signetics	74ACT11160	
74ACT11161	Signetics	74ACT11161	
74ACT11162	Signetics	74ACT11162	
74ACT11163	Signetics	74ACT11163	
74ACT11168	Signetics	74ACT11168	
74ACT11169	Signetics	74ACT11169	
74ACT11174	Signetics	74ACT11174	
74ACT11175	Signetics	74ACT11175	
74ACT11181	Signetics	74ACT11181	
74ACT11190	Signetics	74ACT11190	
74ACT11191	Signetics	74ACT11191	
74ACT11192	Signetics	74ACT11192	
74ACT11193	Signetics	74ACT11193	
74ACT11194	Signetics	74ACT11194	
74ACT11208	Signetics	74ACT11208	
74ACT11238	Signetics	74ACT11238	
74ACT11239	Signetics	74ACT11239	
74ACT11240	Signetics	74ACT11240	
74ACT11241	Signetics	74ACT11241	
74ACT11244	Signetics	74ACT11244	
74ACT11245	Signetics	74ACT11245	
74ACT11250	Signetics	74ACT11250	
74ACT11251	Signetics	74ACT11251	
74ACT11253	Signetics	74ACT11253	
74ACT11257	Signetics	74ACT11257	
74ACT11258	Signetics	74ACT11258	
74ACT11269	Signetics	74ACT11269	
74ACT11273	Signetics	74ACT11273	
74ACT11280	Signetics	74ACT11280	
74ACT11286	Signetics	74ACT11286	
74ACT11299	Signetics	74ACT11299	
74ACT11323	Signetics	74ACT11323	
74ACT11352	Signetics	74ACT11352	
74ACT11353	Signetics	74ACT11353	
74ACT11373	Signetics	74ACT11373	
74ACT11374	Signetics	74ACT11374	
74ACT11377	Signetics	74ACT11377	
74ACT11378	Signetics	74ACT11378	
74ACT11379	Signetics	74ACT11379	
74ACT11461	Signetics	74ACT11461	
74ACT11463	Signetics	74ACT11463	
74ACT11469	Signetics	74ACT11469	
74ACT11470	Signetics	74ACT11470	
74ACT11471	Signetics	74ACT11471	
74ACT11472	Signetics	74ACT11472	
74ACT11473	Signetics	74ACT11473	
74ACT11474	Signetics	74ACT11474	
74ACT11475	Signetics	74ACT11475	
74ACT11520	Signetics	74ACT11520	
74ACT11521	Signetics	74ACT11521	
74ACT11533	Signetics	74ACT11533	
74ACT11534	Signetics	74ACT11534	
74ACT11543	Signetics	74ACT11543	
74ACT11544	Signetics	74ACT11544	
74ACT11568	Signetics	74ACT11568	
74ACT11569	Signetics	74ACT11569	
74ACT11579	Signetics	74ACT11579	
74ACT11590	Signetics	74ACT11590	
74ACT11592	Signetics	74ACT11592	
74ACT11593	Signetics	74ACT11593	
74ACT11620	Signetics	74ACT11620	
74ACT11623	Signetics	74ACT11623	
74ACT11640	Signetics	74ACT11640	
74ACT11643	Signetics	74ACT11643	
74ACT11646	Signetics	74ACT11646	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74ACT11648	Signetics	74ACT11648	
74ACT11651	Signetics	74ACT11651	
74ACT11652	Signetics	74ACT11652	
74ACT11655	Signetics	74ACT11655	
74ACT11656	Signetics	74ACT11656	
74ACT11657	Signetics	74ACT11657	
74ACT11677	Signetics	74ACT11677	
74ACT11678	Signetics	74ACT11678	
74ACT11800	Signetics	74ACT11800	
74ACT11802	Signetics	74ACT11802	
74ACT11810	Signetics	74ACT11810	
74ACT11818	Signetics	74ACT11818	
74ACT11819	Signetics	74ACT11819	
74ACT11821	Signetics	74ACT11821	
74ACT11822	Signetics	74ACT11822	
74ACT11823	Signetics	74ACT11823	
74ACT11824	Signetics	74ACT11824	
74ACT11825	Signetics	74ACT11825	
74ACT11826	Signetics	74ACT11826	
74ACT11827	Signetics	74ACT11827	
74ACT29116	Cypress	CY7C9116	
74ACT7201	Samsung	KM75C01	
74ACT7202	Samsung	KM75C02	
74AC11000	Signetics	74AC11000	
74AC11002	Signetics	74AC11002	
74AC11004	Signetics	74AC11004	
74AC11008	Signetics	74AC11008	
74AC11010	Signetics	74AC11010	
74AC11011	Signetics	74AC11011	
74AC11013	Signetics	74AC11013	
74AC11014	Signetics	74AC11014	
74AC11020	Signetics	74AC11020	
74AC11021	Signetics	74AC11021	
74AC11027	Signetics	74AC11027	
74AC11030	Signetics	74AC11030	
74AC11032	Signetics	74AC11032	
74AC11034	Signetics	74AC11034	
74AC11051	Signetics	74AC11051	
74AC11074	Signetics	74AC11074	
74AC11086	Signetics	74AC11086	
74AC11109	Signetics	74AC11109	
74AC11112	Signetics	74AC11112	
74AC11132	Signetics	74AC11132	
74AC11138	Signetics	74AC11138	
74AC11139	Signetics	74AC11139	
74AC11150	Signetics	74AC11150	
74AC11151	Signetics	74AC11151	
74AC11153	Signetics	74AC11153	
74AC11154	Signetics	74AC11154	
74AC11157	Signetics	74AC11157	
74AC11158	Signetics	74AC11158	
74AC11160	Signetics	74AC11160	
74AC11161	Signetics	74AC11161	
74AC11162	Signetics	74AC11162	
74AC11163	Signetics	74AC11163	
74AC11168	Signetics	74AC11168	
74AC11169	Signetics	74AC11169	
74AC11174	Signetics	74AC11174	
74AC11175	Signetics	74AC11175	
74AC11181	Signetics	74AC11181	
74AC11190	Signetics	74AC11190	
74AC11191	Signetics	74AC11191	
74AC11192	Signetics	74AC11192	
74AC11193	Signetics	74AC11193	
74AC11194	Signetics	74AC11194	
74AC11208	Signetics	74AC11208	
74AC11238	Signetics	74AC11238	
74AC11239	Signetics	74AC11239	
74AC11240	Signetics	74AC11240	
74AC11241	Signetics	74AC11241	
74AC11244	Signetics	74AC11244	
74AC11245	Signetics	74AC11245	
74AC11250	Signetics	74AC11250	
74AC11251	Signetics	74AC11251	
74AC11253	Signetics	74AC11253	
74AC11257	Signetics	74AC11257	
74AC11258	Signetics	74AC11258	
74AC11273	Signetics	74AC11273	
74AC11280	Signetics	74AC11280	
74AC11286	Signetics	74AC11286	
74AC11299	Signetics	74AC11299	
74AC11323	Signetics	74AC11323	
74AC11352	Signetics	74AC11352	
74AC11353	Signetics	74AC11353	
74AC11373	Signetics	74AC11373	
74AC11374	Signetics	74AC11374	
74AC11377	Signetics	74AC11377	
74AC11378	Signetics	74AC11378	
74AC11379	Signetics	74AC11379	
74AC11461	Signetics	74AC11461	
74AC11463	Signetics	74AC11463	
74AC11469	Signetics	74AC11469	
74AC11470	Signetics	74AC11470	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
74AC11471	Signetics	74AC11471	
74AC11472	Signetics	74AC11472	
74AC11473	Signetics	74AC11473	
74AC11474	Signetics	74AC11474	
74AC11475	Signetics	74AC11475	
74AC11520	Signetics	74AC11520	
74AC11521	Signetics	74AC11521	
74AC11533	Signetics	74AC11533	
74AC11534	Signetics	74AC11534	
74AC11543	Signetics	74AC11543	
74AC11544	Signetics	74AC11544	
74AC11568	Signetics	74AC11568	
74AC11569	Signetics	74AC11569	
74AC11579	Signetics	74AC11579	
74AC11590	Signetics	74AC11590	
74AC11592	Signetics	74AC11592	
74AC11593	Signetics	74AC11593	
74AC11620	Signetics	74AC11620	
74AC11623	Signetics	74AC11623	
74AC11640	Signetics	74AC11640	
74AC11643	Signetics	74AC11643	
74AC11646	Signetics	74AC11646	
74AC11648	Signetics	74AC11648	
74AC11651	Signetics	74AC11651	
74AC11652	Signetics	74AC11652	
74AC11655	Signetics	74AC11655	
74AC11656	Signetics	74AC11656	
74AC11657	Signetics	74AC11657	
74AC11677	Signetics	74AC11677	
74AC11678	Signetics	74AC11678	
74AC11800	Signetics	74AC11800	
74AC11802	Signetics	74AC11802	
74AC11810	Signetics	74AC11810	
74AC11818	Signetics	74AC11818	
74AC11819	Signetics	74AC11819	
74AC11821	Signetics	74AC11821	
74AC11822	Signetics	74AC11822	
74AC11823	Signetics	74AC11823	
74AC11824	Signetics	74AC11824	
74AC11825	Signetics	74AC11825	
74AC11826	Signetics	74AC11826	
74AC11827	Signetics	74AC11827	
74ALS234	IDT	IDT72403	
74ALS235	IDT	IDT72413	
74ALS236	IDT	IDT72401	
♦ 74148	Rochester	8618	
♦ 74181	Rochester	8181	
♦ 74192	Rochester	74192	
♦ 7438	Rochester	7438	
♦ 7448	Lansdale	SL8T05	
8493689	Micro-C	4164	
Thaler			
VRE104	Crystal	CS3902	
VRE200	Crystal	CS3901	
Toshiba America Electronic Components			
LC8100	Samsung	KS5902	
MK4501	Vitelic	V61C01	
SC6992	Samsung	KS6041	
TA31001	Samsung	KA2410	
TA31002	Samsung	KA2411	
TA342	Samsung	KA2264	
TA5559	Harris	HA5112	
TA7130	Samsung	KA2245	
TA7137	Samsung	KA2220	
TA7176	Samsung	KA2101	
TA7179	Motorola	MC1468	
TA7227	Samsung	KA2210	
TA7240	Samsung	KA2211	
TA7242	Samsung	KA2130	
TA7250	Samsung	KA22101	
TA7256	Samsung	KA9256	
TA7272	Allegro Micro	ULN3755	
TA7282	Samsung	KA22063	
TA7283	Samsung	KA22062	
TA7288	Samsung	KA8306	
TA7303	Samsung	KA2244	
TA7312	Samsung	KA1222	
		KA22211	
TA7313	Samsung	KA2212	
TA7330	Samsung	KA2310	
TA7335	Samsung	KA2249	
TA7336	Samsung	LM386	
TA7337	Samsung	KA2105	
TA7341	Samsung	KA2231	
TA7343	Samsung	KA2263	
TA7347	Samsung	KA8402	
TA7348	Samsung	KA8403	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TA7358	Samsung	KA22495	
		KA22496	
TA7366	Samsung	KA2284	
		KA2285	
TA7375	Samsung	KA2221	
TA7376	Samsung	KA2209	
TA7401	Samsung	KA2262	
		KA2266	
TA7402	Samsung	KA22461	
TA7413	Samsung	KA2265	
TA7417	Samsung	KA2228	
TA7502	Motorola	MC1709	
	Unitrode	PIC7502	
TA7504	Motorola	MC1741	
	National	LM741	
	NJR	NJM741	
	Panasonic	AN1741	
		AN6570	
		AN6573	
	SGS-Thomson	μA741	
	Unitrode	PIC7504	
TA7506	Motorola	LM301	
	SGS-Thomson	LM301	
TA75061	SGS-Thomson	TL061	
TA75062	**NJR**	**NJM062**	**(3594)**
	SGS-Thomson	TL062	
TA75064	**NJR**	**NJM064**	**(3594)**
	SGS-Thomson	TL064	
TA75071	Motorola	MC34001	
	SGS-Thomson	TL071	
TA75072	Motorola	MC34002	
	NJR	NJM072	
	SGS-Thomson	TL072	
TA75074	Motorola	MC34004	
	NJR	**NJM074**	**(3594)**
	SGS-Thomson	TL074	
TA7508	**NJR**	**NJM2058**	**(3594)**
TA75324	NJR	NJM324	
	Samsung	LM324	
TA75339	Motorola	LM339	
	National	LM2901	
	NJR	NJM2901	
	Panasonic	AN6912	
	Samsung	LM339	
	SGS-Thomson	LM2901	
TA75358	Fujitsu	MB47358	
		MB47358P	
		MB47358PE	
	Motorola	LM358	
	National	LM2904	
	NJR	**NJM2904**	**(3594)**
	Panasonic	AN1358	
		AN6561	
		AN6562	
	Samsung	LM358	
	SGS-Thomson	LM2904	
		LM358	
TA7539	Panasonic	AN6913	
TA75393	Fujitsu	MB47393	
		MB47393P	
		MB47393PF	
	Harris	CA3290	
	Motorola	LM393	
	National	LM2903	
	NJR	NJM2903	
	Panasonic	AN1393	
		AN6914	
	Samsung	LM393	
	SGS-Thomson	LM2903	
TA7540	**NJR**	**NJM4250**	**(3594)**
	SGS-Thomson	μA776	
TA75403	NJR	NJM3403	
TA75458	Fujitsu	MB3607	
		MB3607P	
		MB3607PF	
	Motorola	MC1458	
	NJR	NJM1458	
	Panasonic	AN1458	
		AN6571	
		AN6572	
	SGS-Thomson	MC1458	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Toshiba America Electronic Components (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
TA7555	Motorola	MC1455	
	SGS-Thomson	NE555	
TA75557	Harris	HA5102	
TA75558	**NJR**	**NJM4558**	**(3594)**
	Panasonic	AN4558	
		AN6551	
		AN6552	
	SGS-Thomson	MC4558	
TA75559	NJR	NJM4559	
	Panasonic	AN6555	
		AN6556	
TA75902	Motorola	LM324	
	National	LM2902	
	NJR	NJM2902	
	Panasonic	AN1324	
		AN6564	
	SGS-Thomson	LM2902	
TA7604	Samsung	KA2261	
TA7607	Samsung	KA2911	
TA7611	Samsung	KA2916	
TA7613	Allegro Micro	ULN2204	
TA7625	Samsung	KA2917	
TA7628	Samsung	KA2213	
		KA22130	
TA7630	Samsung	KA2107	
TA7640	Samsung	KA22471	
TA7641	Samsung	KA22421	
TA7644	Samsung	KA2153	
TA76494	Unitrode	UC494	
TA76524	Harris	CA3524	
TA7657	Samsung	KA2309	
TA7658	Samsung	KA7226	
TA7666	Samsung	KA2281	
TA7667	Samsung	KA2283	
TA7668	Samsung	KA22261	
TA7678	Samsung	KA2913	
TA7680	Samsung	KA2914	
TA7687	Samsung	KA2248	
TA7698	Samsung	KA2154	
TA7709	Samsung	KA2225	
TA7719	Samsung	KA2271	
TA7762	Samsung	KA22683	
TA7769	Samsung	KA2206	
TA7796	Samsung	KA2223	
TA78L005	Motorola	MC78L05	
	Panasonic	AN78L05	
	TI	μA78L05	
TA78L006	Panasonic	AN78L06	
	TI	μA78L06	
TA78L007	Panasonic	AN78L07	
TA78L008	Motorola	MC78L08	
	Panasonic	AN78L08	
	TI	μA78L08	
TA78L009	Panasonic	AN78L09	
	TI	μA78L09	
TA78L010	Panasonic	AN78L10	
	TI	μA78L10	
TA78L012	Motorola	MC78L12	
	Panasonic	AN78L12	
	TI	μA78L12	
TA78L015	Motorola	MC78L15	
	Panasonic	AN78L15	
	TI	μA78L15	
TA78L018	Motorola	MC78L18	
	Panasonic	AN78L18	
TA78L020	Panasonic	AN78L20	
TA78L024	Panasonic	AN78L24	
TA78L24	Motorola	MC78L24	
TA78M05	Motorola	MC78M05	
TA78M06	Motorola	MC78M06	
TA78M08	Motorola	MC78M08	
TA78M12	Motorola	MC78M12	
TA78M18	Motorola	MC78M18	
TA78M20	Motorola	MC78M20	
TA78M24	Motorola	MC78M24	
TA79L005	Motorola	MC79L05	
	Panasonic	AN79L05	
TA79L006	Panasonic	AN79L06	
TA79L008	Panasonic	AN79L08	
TA79L009	Panasonic	AN79L09	
TA79L010	Panasonic	AN79L10	
TA79L012	Motorola	MC79L12	
	Panasonic	AN79L12	
TA79L015	Motorola	MC79L15	
	Panasonic	AN79L15	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TA79L018	Motorola	MC79L18	
	Panasonic	AN79L18	
TA79L024	Panasonic	AN79L24	
TA79005	Motorola	MC7905	
TA79006	Motorola	MC7906	
TA79008	Motorola	MC7908	
TA79012	Motorola	MC7912	
TA79015	Motorola	MC7915	
TA79018	Motorola	MC7918	
TA79024	Motorola	MC7924	
TA8012	Motorola	MC7812	
TA8018	Motorola	MC7818	
TA8027	Samsung	KA8702	
TA8119	Samsung	KA22134	
TA8122	Samsung	KA2293	
TA8167	Samsung	KA2292	
TA8189	Samsung	KA22291	
TA8205	Samsung	KA22102	
TA8207	Samsung	KA22065	
TA8210	Samsung	KA22103	
TA8617	Samsung	KA8302	
TA8678	Samsung	KA8109	
TA8692	Samsung	KA8404	
TA8694	Samsung	KA8405	
TA8712	Samsung	KA2924	
TA8744	Samsung	KA8108	
		KA8113	
TC110G05	Micro-C	110G05	
TC17G022	Micro-C	17G022	
TC17G032	Micro-C	17G032	
TC2018	UMC	UM6116	
TC2068	UMC	UM6168	
TC27C256	AMD	AM27C256	
TC4001	GoldStar	GD4001	
TC4001B	Fujitsu	MB4001P	
		MB4001PF	
TC4002	GoldStar	GD4002	
TC4002B	Fujitsu	MB4002P	
		MB4002PF	
TC4006	GoldStar	GD4006	
TC4007	GoldStar	GD4007	
TC4008	GoldStar	GD4008	
TC4011	GoldStar	GD4011	
TC4012	GoldStar	GD4012	
TC4013	GoldStar	GD4013	
TC4014	GoldStar	GD4014	
TC4015	GoldStar	GD4015	
TC4016	GoldStar	GD4016	
	Unitrode	PIC7516	
TC40160	GoldStar	GD40160	
TC40161	GoldStar	GD40161	
TC40163	GoldStar	GD40163	
TC4017	GoldStar	GD4017	
TC40174	GoldStar	GD40174	
TC40175	GoldStar	GD40175	
TC4018	GoldStar	GD4018	
TC4019	GoldStar	GD4019	
TC40192	GoldStar	GD40192	
TC40193	GoldStar	GD40139	
TC40194	GoldStar	GD40194	
TC4020	GoldStar	GD4020	
TC4021	GoldStar	GD4021	
TC4022	GoldStar	GD4022	
TC4023	GoldStar	GD4023	
TC4024	GoldStar	GD4024	
TC4025	GoldStar	GD4025	
TC4027	GoldStar	GD4027	
TC4028	GoldStar	GD4028	
TC4029	GoldStar	GD4029	
TC4030	GoldStar	GD4030	
TC4034	GoldStar	GD4034	
TC4035	GoldStar	GD4035	
TC4040	GoldStar	GD4040	
TC4042	GoldStar	GD4042	
TC4043	GoldStar	GD4043	
TC4044	GoldStar	GD4044	
TC4047	GoldStar	GD4047	
TC4049	GoldStar	GD4049	
TC4050	GoldStar	GD4050	
TC4051	GoldStar	GD4051	
TC4052	GoldStar	GD4052	
TC4053	GoldStar	GD4053	
TC4066	GoldStar	GD4066	
	Unitrode	PIC7516	
TC4068	GoldStar	GD4068	
TC4069	GoldStar	GD4069	
TC4071	GoldStar	GD4071	
TC4075	GoldStar	GD4075	
TC4076	GoldStar	GD4076	
TC4077	GoldStar	GD4077	
TC4078	GoldStar	GD4078	
TC4081	GoldStar	GD4081	
TC4085	GoldStar	GD4085	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
TC4086	GoldStar	GD4086	
TC4093	GoldStar	GD4093	
TC4510	GoldStar	GD4510	
TC4511	GoldStar	GD4511	
TC4512	GoldStar	GD4512	
TC4514	GoldStar	GD4514	
TC4516	GoldStar	GD4516	
TC4518	GoldStar	GD4518	
TC4520	GoldStar	GD4520	
TC4522	GoldStar	GD4522	
TC4526	GoldStar	GD4526	
TC4528	GoldStar	GD4528	
TC4531	GoldStar	GD4531	
TC4532	GoldStar	GD4532	
TC4539	GoldStar	GD4539	
TC4555	GoldStar	GD4555	
TC4556	GoldStar	GD4556	
TC4584	GoldStar	GD40014	
TC5002B	**Micrel**	**MIC5002**	**(3575)**
TC5101	Harris	HM6551	
TC511000	GoldStar	GM71C1000	
	Krueger	511000-100	
		511000-70	
		511000-80	
	Micro-C	511000	
	MicronTech	MT4C1024	
		MT4C1027	
	Motorola	MCM511000	
	NEC	μPD421000	
	OKI	MSM511000	
	Panasonic	MN41C1000	
	Samsung	KM41C1000	
	Siemens	HYB511000	
TC511001	Micro-C	511001	
	MicronTech	MT4C1025	
	Motorola	MCM511001	
	NEC	μPD421001	
	OKI	MSM511001	
	Samsung	KM41C1001	
TC511002	Micro-C	511002	
	MicronTech	MT4C1026	
	Motorola	MCM511002	
	NEC	μPD421002	
	OKI	MSM511002	
	Panasonic	MN41C1002	
	Samsung	KM41C1002	
	Siemens	HYB511002	
TC511259	MicronTech	MT1259	
TC5116100	MicronTech	MT4C10016	
TC5116400	MicronTech	MT4C40004	
TC511664	MicronTech	MT4C1664	
	Vitelic	V53C664	
TC511665	MicronTech	MT4C1665	
	Vitelic	V53C665	
TC51256	Samsung	KM41C256	
TC51257	Samsung	KM41C257	
TC51258	Samsung	KM41C258	
TC514067	MicronTech	MT4067	
TC514100	Micro-C	514100	
	MicronTech	MT4C1004	
	Motorola	MCM514100	
	NEC	μPD424100	
	Samsung	KM41C4000	
TC514101	MicronTech	MT4C1005	
	NEC	μPD424101	
	Samsung	KM41C4001	
TC514102	MicronTech	MT4C1006	
	NEC	μPD424102	
	Samsung	KM41C4002	
TC514256	GoldStar	GM71C4256	
		GM71C7256	
	Krueger	514256-100	
		514256-70	
		514256-80	
	Micro-C	414256	
	MicronTech	MT4C4256	
		MT4C4260	
	Motorola	MCM514256	
	NEC	μPD424256	
	OKI	MSM514256	
	Panasonic	MN41C4256	
	Samsung	KM44C256	
	Vitelic	V53C104	
TC514258	Micro-C	414258	
	MicronTech	MT4C4258	
	Motorola	MCM514258	
	OKI	MSM514258	
	Panasonic	MN41C4258	
	Samsung	KM44C258	
	Vitelic	V53C104	
TC514400	Micro-C	514100	
	MicronTech	MT4C1001	
	Motorola	MCM514400	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
TC514400			(Cont'd)
	NEC	μPD424400	
	Samsung	KM44C1000	
TC514402	MicronTech	MT4C4003	
	NEC	μPD424402	
	Samsung	KM44C1002	
TC514410	MicronTech	MT4C4005	
	NEC	μPD424410	
TC51464	Samsung	KM41C464	
TC51466	Samsung	KM41C466	
TC518128	Krueger	658128-100	
	MicronTech	MT45C8128	
	NEC	μPD431000	
	Samsung	KM658128	
TC518129	MicronTech	MT45C8129	
TC51832	Krueger	65256-100	
		65256-120	
	Micro-C	S32KX8	
TC524128	NEC	μPD42275	
TC524256	Micro-C	V256KX4	
	MicronTech	MT42C4255	
	NEC	μPD42273	
		μPD42274	
	Samsung	KM424C256	
TC524258	Micro-C	V256KX4	
	MicronTech	MT42C4256	
	NEC	μPD42274	
	Samsung	KM424C257	
TC524259	Samsung	KM424C257	
TC528126	MicronTech	MT42C8128	
	Samsung	KM428C128	
TC528128	MicronTech	MT42C8127	
	Samsung	KM428C128	
TC531000	GoldStar	GM231000	
	NEC	μPD23C1000	
	OKI	MSM531000	
	Panasonic	MN231001	
	Samsung	KM23C1000	
	UMC	UM23C1024	
TC531001	OKI	MSM531001	
	Samsung	KM23C1010	
TC531024	Samsung	KM23C1000	
TC532000	UMC	UM23C2001	
TC53257	Catalyst Semi	CAT71C256	
	OKI	MSM53256	
	Panasonic	MN23257	
	UMC	UM23C256	
TC53400	OKI	MSM534001	
TC534000	Panasonic	MN234001	
	Samsung	KM23C4000	
	UMC	UM23C4000	
TC53512	UMC	UM23C512	
TC5364	Hughes	H23C64	
		H23C65	
	UMC	UM23C64	
TC5365	Hughes	H23C64	
		H23C65	
	UMC	UM23C64	
TC5501	Hughes	H1822	
	Micro-C	5501	
TC5504	Harris	HM6504	
TC5508	Harris	HM6508	
TC551001	Samsung	KM681000	
	Sony	CXK581000	
		CXK581001	
	UMC	UM621024	
TC5514	Harris	HM6514	
	Krueger	21C14-150	
		21C14-200	
		21C14-450	
TC5516	Micro-C	S2KX8	
TC5517	GoldStar	GM76C28	
	Harris	HM65162	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	Micro-C	S2KX8	
	Mosel	MS6516	
	Panasonic	MN4416	
	UMC	UM6116	
TC55186	Samsung	KM78C80	
TC55187	AT&T	ATT7C183	
	MicronTech	MT56C0818	
TC55188	AT&T	ATT7C184	
	MicronTech	MT56C3818	
	UMC	UM61168	
	Vitelic	V63C328	
TC55256	Mosel	MS62256	
	NEC	μPD43256	
	OKI	MSM51256	
TC55257	Cypress	CY7C199	
	GoldStar	GM76C256	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Toshiba America Electronic Components (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
TC55257			(Cont'd)
	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
	Micro-C	S32KX8	
	Mosel	MS62256	
	NEC	μPD43256	
	OKI	MSM51257	
	Panasonic	MN44256	
	Samsung	KM62256	
	Sony	CXK58257	
	UMC	UM62256	
TC55328	AT&T	ATT7C199	
	Cypress	CY7C199	
	IDT	IDT71256	
	Krueger	62256-025	
		62256-030	
		62256-035	
	LogicDev	L7C199	
	MicronTech	MT5C2568	
	Motorola	MCM6206	
	Paradigm	PDM41256	
	Samsung	KM68257	
TC55329	IDT	IDT71259	
	Motorola	MCM6205	
TC55416	AT&T	ATT7C164	
	Cypress	CY7C164	
	IDT	IDT7188	
	Krueger	**6288-25**	**(3548)**
		6288-35	
		6288-45	
	LogicDev	L7C164	
	Micro-C	S16KX4PSC	
	MicronTech	MT5C6404	
	Motorola	MCM6288	
	NEC	μPD4362	
	Performance	P4C188	
	Quality Semi	QS8888	
	Samsung	KM6465	
	Sony	CXK5464	
TC55417	AT&T	ATT7C166	
	Cypress	CY7C166	
	IDT	IDT6198	
	Krueger	6289-25	
		6289-35	
		6289-45	
	LogicDev	L7C166	
	Micro-C	S16KX4PSC	
	MicronTech	MT5C6405	
	Motorola	MCM6290	
	NEC	μPD4363	
	Performance	P4C198	
	Quality Semi	QS8886	
	Samsung	KM6466	
	Sony	CXK5465	
TC55464	AT&T	ATT7C194	
	Cypress	CY7C194	
	LogicDev	L7C194	
	MicronTech	MT5C2564	
	Motorola	MCM6208	
	NEC	μPD43254	
	Paradigm	PDM41258	
	Samsung	KM64257	
	Vitelic	V63C70	
TC55465	AT&T	ATT7C195	
	Cypress	CY7C196	
	LogicDev	L7C195	
	MicronTech	MT5C2565	
	Motorola	MCM6209	
	Paradigm	PDM41298	
	Samsung	KM64258	
	Vitelic	V63C71	
TC5561	Cypress	CY7C185	
	IDT	IDT7187	
	Krueger	6287-35	
		6287-45	
		6287-55	
	LogicDev	L7C187	
	MicronTech	MT5C1608	
		MT5C6401	
	NEC	μPD4361	
	Performance	P4C187	
TC5562	AT&T	ATT7C187	
	Cypress	CY7C185	
	IDT	IDT7187	
	Krueger	6287-35	
		6287-45	
		6287-55	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TC5562			(Cont'd)
	LogicDev	L7C187	
	Micro-C	S64KX1	
	MicronTech	MT5C1608	
		MT5C6401	
	NEC	μPD4361	
	Performance	P4C187	
	Sony	CXK5164	
TC5563	Cypress	CY7C185	
	Mosel	MS6264	
	Sony	CXK5864	
	UMC	UM6264	
TC5564	Harris	HM65642	
		HM8808	
	Micro-C	S8KX8	
	Mosel	MS6264	
TC5565	Cypress	CY7C186	
	GoldStar	GM76C88	
	Harris	HM65642	
		HM8808	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	Micro-C	S8KX8	
	Mosel	MS6264	
	OKI	MSM5165	
	Panasonic	MN4464	
	Performance	P4C164	
	Samsung	KM6264	
TC5565L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
TC5588	AT&T	ATT7C185	
	Cypress	CY7C185	
	IDT	IDT7164	
	LogicDev	L7C185	
	Micro-C	S8KX8	
	MicronTech	MT5C6408	
	Mosel	MS6264	
	Motorola	MCM6264	
	Performance	P4C164	
	Sony	CXK5863	
TC5588-35	Krueger	6264LP-035	
TC5588-45	Krueger	6264LP-045	
TC5589	Cypress	CY7C182	
	IDT	IDT7169	
	Motorola	MCM6265	
	Sony	CXK5971	
TC57H2556	Cypress	CY7C274	
TC571000	AMD	AM27C010	
	Krueger	27C010	
		27C128-200	
		27C128-250	
	Micro-C	271032	
	NEC	μPD27C1000	
	OKI	MSM271000	
TC571001	AMD	AM27C100	
	Micro-C	271032	
	NEC	μPD27C1001	
TC571024	NEC	μPD27C1024	
	OKI	MSM27C1024	
		MSM271024	
TC57256	Cypress	CY7C274	
	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	OKI	MSM27C256	
TC57512	Cypress	CY7C286	
	Krueger	27C512-150	
		27C512-200	
		27C512-250	
TC58257	NEC	μPD28C256	
TC74ACT00	Harris	CD74ACT00	
	Motorola	MC74ACT00	
	National	74ACT00	
TC74ACT02	Harris	CD74ACT02	
	Motorola	MC74ACT02	
TC74ACT04	Harris	CD74ACT04	
	National	74ACT04	
TC74ACT08	Harris	CD74ACT08	
	Motorola	MC74ACT08	
TC74ACT10	Harris	CD74ACT10	
	Motorola	MC74ACT10	
TC74ACT109	Harris	CD74ACT109	
	Motorola	MC74ACT109	
	National	74ACT109	
TC74ACT112	Harris	CD74ACT112	
	National	74ACT112	
TC74ACT138	Harris	CD74ACT138	
	Motorola	MC74ACT138	
	National	74ACT138	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TC74ACT139	Harris	CD74ACT139	
	Motorola	MC74ACT139	
	National	74ACT139	
TC74ACT14	Motorola	MC74ACT14	
	National	74ACT14	
TC74ACT151	Harris	CD74ACT151	
	Motorola	MC74ACT151	
	National	74ACT151	
TC74ACT153	Harris	CD74ACT153	
	Motorola	MC74ACT153	
	National	74ACT153	
TC74ACT157	Harris	CD74ACT157	
	Motorola	MC74ACT157	
	National	74ACT157	
TC74ACT158	Harris	CD74ACT158	
	Motorola	MC74ACT158	
	National	74ACT158	
TC74ACT161	Harris	CD74ACT161	
	Motorola	MC74ACT161	
	National	74ACT161	
TC74ACT163	Harris	CD74ACT163	
	Motorola	MC74ACT163	
	National	74ACT163	
TC74ACT164	Harris	CD74ACT164	
	National	74ACT164	
TC74ACT174	Harris	CD74ACT174	
	Motorola	MC74ACT174	
	National	74ACT174	
TC74ACT175	Harris	CD74ACT175	
	National	74ACT175	
TC74ACT240	Harris	CD74ACT240	
	Motorola	MC74ACT240	
	National	74ACT240	
	VTC	V74ACT240	
TC74ACT241	Harris	CD74ACT241	
	Motorola	MC74ACT241	
	National	74ACT241	
	VTC	V74ACT241	
TC74ACT244	Harris	CD74ACT244	
	Motorola	MC74ACT244	
	National	74ACT244	
	VTC	V74ACT244	
TC74ACT245	Harris	CD74ACT245	
	Motorola	MC74ACT245	
	National	74ACT245	
	VTC	V74ACT245	
TC74ACT251	Harris	CD74ACT251	
	Motorola	MC74ACT251	
	National	74ACT251	
TC74ACT257	Harris	CD74ACT257	
	Motorola	MC74ACT257	
	National	74ACT257	
TC74ACT258	Harris	CD74ACT258	
	Motorola	MC74ACT258	
	National	74ACT258	
TC74ACT280	Harris	CD74ACT280	
	National	74ACT280	
TC74ACT283	Harris	CD74ACT283	
	National	74ACT283	
TC74ACT32	Harris	CD74ACT32	
	Motorola	MC74ACT32	
	National	74ACT32	
TC74ACT373	Harris	CD74ACT373	
	Motorola	MC74ACT373	
	National	74ACT373	
	VTC	V74ACT373	
TC74ACT374	Harris	CD74ACT374	
	Motorola	MC74ACT374	
	National	74ACT374	
	VTC	V74ACT374	
TC74ACT377	Motorola	MC74ACT377	
	National	74ACT377	
TC74ACT520	National	74ACT520	
TC74ACT521	Motorola	MC74ACT521	
	National	74ACT521	
TC74ACT533	Harris	CD74ACT533	
	Motorola	MC74ACT533	
	VTC	V74ACT533	
TC74ACT534	Harris	CD74ACT534	
	Motorola	MC74ACT534	
	National	74ACT534	
	VTC	V74ACT534	
TC74ACT540	Harris	CD74ACT540	
	Motorola	MC74ACT540	
	National	74ACT540	
	VTC	V74ACT540	
TC74ACT541	Harris	CD74ACT541	
	Motorola	MC74ACT541	
	National	74ACT541	
	VTC	V74ACT541	
TC74ACT563	Harris	CD74ACT563	
	Motorola	MC74ACT563	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TC74ACT563			(Cont'd)
	National	74ACT563	
	VTC	V74ACT563	
TC74ACT564	Harris	CD74ACT564	
	Motorola	MC74ACT564	
	National	74ACT564	
	VTC	V74ACT564	
TC74ACT573	Harris	CD74ACT573	
	Motorola	MC74ACT573	
	National	74ACT573	
	VTC	V74ACT573	
TC74ACT574	Harris	CD74ACT574	
	Motorola	MC74ACT574	
	National	74ACT574	
	VTC	V74ACT574	
TC74ACT640	Motorola	MC74ACT640	
	VTC	V74ACT640	
TC74ACT646	Harris	CD74ACT646	
	National	74ACT646	
TC74ACT648	Harris	CD74ACT648	
	Motorola	MC74ACT648	
TC74ACT74	Harris	CD74ACT74	
	Motorola	MC74ACT74	
	National	74ACT74	
TC74ACT821	National	74ACT821	
	VTC	V74ACT821	
TC74ACT823	National	74ACT823	
	VTC	V74ACT823	
TC74ACT825	Motorola	MC74ACT825	
	National	74ACT825	
	VTC	V74ACT825	
TC74ACT841	National	74ACT841	
	VTC	V74ACT841	
TC74ACT843	Motorola	MC74ACT843	
	National	74ACT843	
	VTC	V74ACT843	
TC74ACT86	Harris	CD74ACT86	
	Motorola	MC74ACT86	
TC74AC00	Harris	CD74AC00	
	Motorola	MC74AC00	
	National	74AC00	
TC74AC02	Harris	CD74AC02	
	Motorola	MC74AC02	
	National	74AC02	
TC74AC04	Harris	CD74AC04	
	Motorola	MC74AC04	
	National	74AC04	
TC74AC05	Harris	CD74AC05	
TC74AC08	Harris	CD74AC08	
	Motorola	MC74AC08	
	National	74AC08	
TC74AC10	Harris	CD74AC10	
	Motorola	MC74AC10	
	National	74AC10	
TC74AC109	Harris	CD74AC109	
	Motorola	MC74AC109	
	National	74AC109	
TC74AC11	Motorola	MC74AC11	
	National	74AC11	
TC74AC112	Harris	CD74AC112	
	National	74AC112	
TC74AC138	Harris	CD74AC138	
	Motorola	MC74AC138	
	National	74AC138	
TC74AC139	Harris	CD74AC139	
	Motorola	MC74AC139	
	National	74AC139	
TC74AC14	Motorola	MC74AC14	
	National	74AC14	
TC74AC151	Harris	CD74AC151	
	Motorola	MC74AC151	
	National	74AC151	
TC74AC153	Harris	CD74AC153	
	Motorola	MC74AC153	
	National	74AC153	
TC74AC157	Harris	CD74AC157	
	Motorola	MC74AC157	
	National	74AC157	
TC74AC158	Harris	CD74AC158	
	Motorola	MC74AC158	
	National	74AC158	
TC74AC160	Motorola	MC74AC160	
TC74AC161	Harris	CD74AC161	
	Motorola	MC74AC161	
	National	74AC161	
TC74AC162	Motorola	MC74AC162	
TC74AC163	Harris	CD74AC163	
	Motorola	MC74AC163	
	National	74AC163	
TC74AC164	Harris	CD74AC164	
	National	74AC164	
TC74AC169	National	74AC169	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Toshiba America Electronic Components (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
TC74AC174	Harris	CD74AC174	
	Motorola	MC74AC174	
	National	74AC174	
TC74AC175	Harris	CD74AC175	
	National	74AC175	
TC74AC191	Harris	CD74AC191	
	National	74AC191	
TC74AC20	Harris	CD74AC20	
	National	74AC20	
TC74AC240	Harris	CD74AC240	
	Motorola	MC74AC240	
	National	74AC240	
TC74AC241	Harris	CD74AC241	
	Motorola	MC74AC241	
	National	74AC241	
TC74AC244	Harris	CD74AC244	
	Motorola	MC74AC244	
	National	74AC244	
TC74AC245	Harris	CD74AC245	
	Motorola	MC74AC245	
	National	74AC245	
TC74AC251	Harris	CD74AC251	
	Motorola	MC74AC251	
	National	74AC251	
	Toshiba	74AC251	
TC74AC253	Harris	CD74AC253	
	Motorola	MC74AC253	
	National	74AC253	
TC74AC257	Harris	CD74AC257	
	Motorola	MC74AC257	
	National	74AC257	
TC74AC258	Harris	CD74AC258	
	Motorola	MC74AC258	
	National	74AC258	
TC74AC273	Harris	CD74AC273	
	Motorola	MC74AC273	
	National	74AC273	
TC74AC280	Harris	CD74AC280	
	National	74AC280	
TC74AC283	Harris	CD74AC283	
	National	74AC283	
TC74AC299	Harris	CD74AC299	
	Motorola	MC74AC299	
	National	74AC299	
TC74AC32	Harris	CD74AC32	
	Motorola	MC74AC32	
	National	74AC32	
TC74AC323	Harris	CD74AC323	
TC74AC373	Harris	CD74AC373	
	Motorola	MC74AC373	
	National	74AC373	
TC74AC374	Harris	CD74AC374	
	Motorola	MC74AC374	
	National	74AC374	
TC74AC377	Motorola	MC74AC377	
	National	74AC377	
TC74AC520	National	74AC520	
TC74AC521	Motorola	MC74AC521	
	National	74AC521	
TC74AC533	Harris	CD74AC533	
	Motorola	MC74AC533	
TC74AC534	Harris	CD74AC534	
	Motorola	MC74AC534	
TC74AC540	Harris	CD74AC540	
	Motorola	MC74AC540	
	National	74AC540	
TC74AC541	Harris	CD74AC541	
	Motorola	MC74AC541	
	National	74AC541	
TC74AC563	Harris	CD74AC563	
	Motorola	MC74AC563	
TC74AC564	Harris	CD74AC564	
	Motorola	MC74AC564	
TC74AC573	Harris	CD74AC573	
	Motorola	MC74AC573	
TC74AC574	Harris	CD74AC574	
	Motorola	MC74AC574	
	National	74AC574	
TC74AC620	Motorola	MC74AC620	
TC74AC623	Harris	CD74AC623	
	Motorola	MC74AC623	
TC74AC640	Motorola	MC74AC640	
TC74AC643	Motorola	MC74AC643	
TC74AC646	Harris	CD74AC646	
	Motorola	MC74AC646	
	National	74AC646	
TC74AC648	Harris	CD74AC648	
	Motorola	MC74AC648	
	National	74AC648	
TC74AC74	Harris	CD74AC74	
	Motorola	MC74AC74	
	National	74AC74	
TC74AC821	National	74AC821	
TC74AC823	National	74AC823	
TC74AC825	Motorola	MC74AC825	
	National	74AC825	
TC74AC843	Motorola	MC74AC843	
	National	74AC843	
TC74AC86	Harris	CD74AC86	
	Motorola	MC74AC86	
	National	74AC86	
TC74HCT00A	GoldStar	GD74HCT00	
	Harris	CD74HCT00	
	Mitsubishi	M74HCT00	
	Motorola	MC74HCT00A	
	National	MM74HCT00	
	Signetics	74HCT00	
	TI	SN74HCT00	
TC74HCT02A	Harris	CD74HCT02	
	Signetics	74HCT02	
	TI	SN74HCT02	
TC74HCT04A	GoldStar	GD74HCT04	
	Harris	CD74HCT04	
	Motorola	MC74HCT04A	
	National	MM74HCT04	
	SGS-Thomson	M74HCT04	
	Signetics	74HCT04	
TC74HCT08A	GoldStar	GD74HCT08	
	Harris	CD74HCT08	
	Motorola	MC74HCT08A	
	National	MM74HCT08	
	Signetics	74HCT08	
	TI	SN74HCT08	
TC74HCT137	GEC Plessey	MV74HCT137	
		74HCT137	
	Harris	CD74HCT137	
	SGS-Thomson	M74HCT137	
	Signetics	74HCT137	
	TI	SN74HCT137	
TC74HCT138A	GEC Plessey	MV74HCT138	
		74HCT138	
	Harris	CD74HCT138	
	Hitachi	HD74HCT138	
	Mitsubishi	M74HCT138-1	
	Motorola	MC74HCT138A	
	National	MM74HCT138	
	SGS-Thomson	M74HCT138	
	Signetics	74HCT138	
	TI	SN74HCT138	
TC74HCT139A	GEC Plessey	MV74HCT139	
		74HCT139	
	Harris	CD74HCT139	
	Mitsubishi	M74HCT139-1	
	National	MM74HCT139	
	Signetics	74HCT139	
	TI	SN74HCT139	
TC74HCT157A	GoldStar	GD74HCT157	
	Harris	CD74HCT157	
	Motorola	MC74HCT157A	
	National	MM74HCT157	
	SGS-Thomson	M74HCT157	
	Signetics	74HCT157	
TC74HCT158A	Harris	CD74HCT158	
	National	MM74HCT158	
	SGS-Thomson	M74HCT158	
	Signetics	74HCT158	
TC74HCT164A	Harris	CD74HCT164	
	National	MM74HCT164	
	SGS-Thomson	M74HCT164	
	Signetics	74HCT164	
TC74HCT174A	GoldStar	GD74HCT174	
	Harris	CD74HCT174	
	Motorola	MC74HCT174A	
	Signetics	74HCT174	
TC74HCT240A	GEC Plessey	MV74HCT240	
		74HCT240	
	Harris	CD74HCT240	
	Hitachi	HD74HCT240	
	Mitsubishi	M74HCT240	
		M74HCT240-1	
TC74HCT240A (Cont'd)	Motorola	MC74HCT240A	
	National	MM74HCT240	
	SGS-Thomson	M74HCT240	
	Signetics	74HCT240	
	TI	SN74HCT240	
TC74HCT241A	GEC Plessey	MV74HCT241	
		74HCT241	
	Harris	CD74HCT241	
	Hitachi	HD74HCT241	
	Mitsubishi	M74HCT241	
		M74HCT241-1	
	Motorola	MC74HCT241A	
	National	MM74HCT241	
	SGS-Thomson	M74HCT241	
	Signetics	74HCT241	
	TI	SN74HCT241	
TC74HCT244A	GEC Plessey	MV74HCT244	
		74HCT244	
	Harris	CD74HCT244	
	Hitachi	HD74HCT244	
	Mitsubishi	M74HCT244	
		M74HCT244-1	
	Motorola	MC74HCT244A	
	National	MM74HCT244	
	SGS-Thomson	M74HCT244	
	Signetics	74HCT244	
	TI	SN74HCT244	
TC74HCT245A	GEC Plessey	MV74HCT245	
		74HCT245	
	Harris	CD74HCT245	
	Hitachi	HD74HCT245	
	Mitsubishi	M74HCT245-1	
	Motorola	MC74HCT245A	
	National	MM74HCT245	
	SGS-Thomson	M74HCT245	
	Signetics	74HCT245	
	TI	SN74HCT245	
TC74HCT257A	Harris	CD74HCT257	
	National	MM74HCT257	
	SGS-Thomson	M74HCT257	
	Signetics	74HCT257	
TC74HCT258A	GoldStar	GD74HCT258	
	Harris	CD74HCT258	
	National	MM74HCT258	
	SGS-Thomson	M74HCT258	
	Signetics	74HCT258	
TC74HCT273A	GoldStar	GD74HCT273	
	Harris	CD74HCT273	
	Mitsubishi	M74HCT273-1	
	Motorola	MC74HCT273A	
	National	MM74HCT273	
	Signetics	74HCT273	
TC74HCT32A	GoldStar	GD74HCT32	
	Harris	CD74HCT32	
	Motorola	MC74HCT32A	
	National	MM74HCT32	
	Signetics	74HCT32	
	TI	SN74HCT32	
TC74HCT373A	GEC Plessey	MV74HCT373	
		74HCT373	
	GoldStar	GD74HCT373	
	Harris	CD74HCT373	
	Hitachi	HD74HCT373	
	Mitsubishi	M74HCT373-1	
	Motorola	MC74HCT373A	
	National	MM74HCT373	
	SGS-Thomson	M74HCT373	
	Signetics	74HCT373	
	TI	SN74HCT373	
TC74HCT374A	GEC Plessey	MV74HCT374	
		74HCT374	
	GoldStar	GD74HCT374	
	Harris	CD74HCT374	
	Hitachi	HD74HCT374	
	Mitsubishi	M74HCT374-1	
	Motorola	MC74HCT374A	
	National	MM74HCT374	
TC74HCT374A (Cont'd)	SGS-Thomson	M74HCT374	
	Signetics	74HCT374	
	TI	SN74HCT374	
TC74HCT533A	GEC Plessey	MV74HCT533	
		74HCT533	
	Harris	CD74HCT533	
	Hitachi	HD74HCT533	
	Mitsubishi	M74HCT533-1	
	Motorola	MC74HCT533A	
	National	MM74HCT533	
	SGS-Thomson	M74HCT533	
	Signetics	74HCT533	
	TI	SN74HCT533	
TC74HCT534A	GEC Plessey	MV74HCT534	
		74HCT534	
	Harris	CD74HCT534	
	Hitachi	HD74HCT534	
	Mitsubishi	M74HCT534-1	
	Motorola	MC74HCT534A	
	National	MM74HCT534	
	SGS-Thomson	M74HCT534	
	Signetics	74HCT534	
	TI	SN74HCT534	
TC74HCT540A	GEC Plessey	MV74HCT540	
		74HCT540	
	Harris	CD74HCT540	
	Motorola	MC74HCT540	
	National	MM74HCT540	
	SGS-Thomson	M74HCT540	
	Signetics	74HCT540	
	TI	SN74HCT540	
TC74HCT541A	GEC Plessey	MV74HCT541	
		74HCT541	
	Harris	CD74HCT541	
	National	MM74HCT541	
	SGS-Thomson	M74HCT541	
	Signetics	74HCT541	
	TI	SN74HCT541	
TC74HCT563A	GEC Plessey	MV74HCT563	
		74HCT563	
	Harris	CD74HCT563	
	SGS-Thomson	M74HCT563	
	Signetics	74HCT563	
	TI	SN74HCT563	
TC74HCT564A	GEC Plessey	MV74HCT564	
		74HCT564	
	Harris	CD74HCT564	
	National	MM74HCT564	
	SGS-Thomson	M74HCT564	
	Signetics	74HCT564	
	TI	SN74HCT564	
TC74HCT573A	GEC Plessey	MV74HCT573	
		74HCT573	
	Harris	CD74HCT573	
	Motorola	MC74HCT573A	
	National	MM74HCT573	
	SGS-Thomson	M74HCT573	
	Signetics	74HCT573	
	TI	SN74HCT573	
TC74HCT574A	GEC Plessey	MV74HCT574	
		74HCT574	
	Harris	CD74HCT574	
	Motorola	MC74HCT574A	
	National	MM74HCT574	
	SGS-Thomson	M74HCT574	
	Signetics	74HCT574	
	TI	SN74HCT574	
TC74HCT640A	Harris	CD74HCT640	
	Mitsubishi	M74HCT640-1	
	Motorola	MC74HCT640A	
	National	MM74HCT640	
	SGS-Thomson	M74HCT640	
	Signetics	74HCT640	

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The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Toshiba America Electronic Components (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HCT640A			(Cont'd)
	TI	SN74HCT640	
	Universal	US74HCT640	
TC74HCT643A			
	Harris	CD74HCT643	
	Mitsubishi	M74HCT643-1	
	National	MM74HCT643	
	SGS-Thomson	M74HCT643	
	Signetics	74HCT643	
	TI	SN74HCT643	
TC74HCT646A			
	Harris	CD74HCT646	
	Motorola	MC74HCT646	
	SGS-Thomson	M74HCT646	
	Signetics	74HCT646	
	TI	SN74HCT646	
TC74HCT648A			
	Harris	CD74HCT648	
	SGS-Thomson	M74HCT648	
	Signetics	74HCT648	
	TI	SN74HCT648	
TC74HCT651A			
	Harris	CD74HCT651	
	SGS-Thomson	M74HCT651	
	TI	SN74HCT651	
TC74HCT652A			
	Harris	CD74HCT652	
	SGS-Thomson	M74HCT652	
	TI	SN74HCT652	
TC74HCT688A			
	Harris	CD74HCT688	
	National	MM74HCT688	
	SGS-Thomson	M74HCT688	
	Signetics	74HCT688	
TC74HCT7007A			♦
	SGS-Thomson	M74HCT7007	
TC74HCT74A	Harris	CD74HCT74	
	Motorola	MC74HCT74A	
	National	MM74HCT74	
	SGS-Thomson	M74HCT74	
	Signetics	74HCT74	
	TI	SN74HCT74	
TC74HCT86A	Harris	CD74HCT86	
	SGS-Thomson	M74HCT86	
	Signetics	74HCT86	
TC74HC00A	GoldStar	GD74HC00	
	Harris	CD74HC00	
	Hitachi	HD74HC00	
	Motorola	MC74HC00A	
	National	MM74HC00	
	NJR	NJU74HC00	
	SGS-Thomson	M74HC00	
	Sharp	LR74HC00	
	Signetics	74HC00	
	TI	SN74HC00	
TC74HC02A	GoldStar	GD74HC02	
	Harris	CD74HC02	
	Hitachi	HD74HC02	
	Motorola	MC74HC02A	
	National	MM74HC02	
	NJR	NJU74HC02	
	SGS-Thomson	M74HC02	
	Sharp	LR74HC02	
	Signetics	74HC02	
	TI	SN74HC02	
TC74HC03A	Harris	CD74HC03	
	Motorola	MC74HC03A	
	National	MM74HC03	
	NJR	NJU74HC03	
	SGS-Thomson	M74HC03	
	Sharp	LR74HC03	
	Signetics	74HC03	
	TI	SN74HC03	
TC74HC04A	Harris	CD74HC04	
	Hitachi	HD74HC04	
	Motorola	MC74HC04A	
	National	MM74HC04	
	NJR	NJU74HC04	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HC04A			(Cont'd)
	SGS-Thomson	M74HC04	
	Sharp	LR74HC04	
	Signetics	74HC04	
	TI	SN74HC04	
♦ TC74HC05A	National	MM74HC05	
	NJR	NJU74HC05	
	TI	SN74HC05	
TC74HC08A	Harris	CD74HC08	
	Hitachi	HD74HC08	
	Motorola	MC74HC08A	
	National	MM74HC08	
	NJR	NJU74HC08	
	SGS-Thomson	M74HC08	
	Sharp	LR74HC08	
	Signetics	74HC08	
	TI	SN74HC08	
TC74HC09A	Hitachi	HD74HC09	
	Mitsubishi	M74HC09	
	NJR	NJU74HC09	
	TI	SN74HC09	
TC74HC10A	Harris	CD74HC10	
	Hitachi	HD74HC10	
	Motorola	MC74HC10	
	National	MM74HC10	
	NJR	NJU74HC10	
	SGS-Thomson	M74HC10	
	Sharp	LR74HC10	
	Signetics	74HC10	
	TI	SN74HC10	
TC74HC107A	Harris	CD74HC107	
	Hitachi	HD74HC107	
	Motorola	MC74HC107	
	National	MM74HC107	
	SGS-Thomson	M74HC107	
	Sharp	LR74HC107	
	Signetics	74HC107	
	TI	SN74HC107	
TC74HC109A	Harris	CD74HC109	
	Hitachi	HD74HC109	
	Motorola	MC74HC109	
	National	MM74HC109	
	NJR	NJU74HC109	
	SGS-Thomson	M74HC109	
	Sharp	LR74HC109	
	Signetics	74HC109	
	TI	SN74HC109	
TC74HC11A	Harris	CD74HC11	
	Hitachi	HD74HC11	
	Motorola	MC74HC11	
	National	MM74HC11	
	NJR	NJU74HC11	
	SGS-Thomson	M74HC11	
	Sharp	LR74HC11	
	Signetics	74HC11	
	TI	SN74HC11	
TC74HC112A	Harris	CD74HC112	
	Hitachi	HD74HC112	
	Motorola	MC74HC112	
	National	MM74HC112	
	NJR	NJU74HC112	
	SGS-Thomson	M74HC112	
	Sharp	LR74HC112	
	Signetics	74HC112	
	TI	SN74HC112	
TC74HC113A	Hitachi	HD74HC113	
	Mitsubishi	M74HC113	
	Motorola	MC74HC113	
	National	MM74HC113	
	NJR	NJU74HC113	
	SGS-Thomson	M74HC113	
	Sharp	LR74HC113	
	TI	SN74HC113	
TC74HC123	Harris	CD74HC123	
	Hitachi	HD74HC123	
	Mitsubishi	M74HC123A	
	National	MM74HC123	
		MM74HC123A	
	NJR	NJU74HC123	
	SGS-Thomson	M74HC123	
		M74HC123A	
	Signetics	74HC123	
	Toshiba	TC74HC123A	
TC74HC123A	Harris	CD74HC123	
	Hitachi	HD74HC123	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HC123A			(Cont'd)
	Mitsubishi	M74HC123A	
	National	MM74HC123	
		MM74HC123A	
	NJR	NJU74HC123	
	SGS-Thomson	M74HC123	
		M74HC123A	
	Signetics	74HC123	
	Toshiba	TC74HC123	
TC74HC125A	Harris	CD74HC125	
	Hitachi	HD74HC125	
	Motorola	MC74HC125A	
	National	MM74HC125	
	SGS-Thomson	M74HC125	
	Signetics	74HC125	
	TI	SN74HC125	
TC74HC126A	Harris	CD74HC126	
	Hitachi	HD74HC126	
	Motorola	MC74HC126A	
	National	MM74HC126	
	SGS-Thomson	M74HC126	
	Signetics	74HC126	
	TI	SN74HC126	
TC74HC132A	Harris	CD74HC132	
	Hitachi	HD74HC132	
	Motorola	MC74HC132A	
	National	MM74HC132	
	NJR	NJU74HC132	
	SGS-Thomson	M74HC132	
	Sharp	LR74HC132	
	Signetics	74HC132	
	TI	SN74HC132	
TC74HC133A	Hitachi	HD74HC133	
	Motorola	MC74HC133	
	National	MM74HC133	
	SGS-Thomson	M74HC133	
	TI	SN74HC133	
TC74HC137A	Harris	CD74HC137	
	Hitachi	HD74HC137	
	Mitsubishi	M74HC137	
	Motorola	MC74HC137	
	National	MM74HC137	
	NJR	NJU74HC137	
	SGS-Thomson	M74HC137	
	Sharp	LR74HC137	
	Signetics	74HC137	
	TI	SN74HC137	
TC74HC138A	Harris	CD74HC138	
	Hitachi	HD74HC138	
	Mitsubishi	M74HC138-1	
	Motorola	MC74HC138A	
	National	MM74HC138	
	NJR	NJU74HC138	
	SGS-Thomson	M74HC138	
	Sharp	LR74HC138	
	Signetics	74HC138	
	TI	SN74HC138	
TC74HC139A	Harris	CD74HC139	
	Hitachi	HD74HC139	
	Mitsubishi	M74HC139-1	
	Motorola	MC74HC139A	
	National	MM74HC139	
	NJR	NJU74HC139	
	SGS-Thomson	M74HC139	
	Sharp	LR74HC139	
	Signetics	74HC139	
	TI	SN74HC139	
TC74HC14A	Harris	CD74HC14	
	Hitachi	HD74HC14	
	Mitsubishi	M74HC14	
	Motorola	MC74HC14A	
	National	MM74HC14	
	NJR	NJU74HC14	
	SGS-Thomson	M74HC14	
	Sharp	LR74HC14	
	Signetics	74HC14	
	TI	SN74HC14	
TC74HC147A	Harris	CD74HC147	
	Hitachi	HD74HC147	
	Motorola	MC74HC147	
	National	MM74HC147	
	SGS-Thomson	M74HC147	
	Sharp	LR74HC147	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HC147A			(Cont'd)
	Signetics	74HC147	
	TI	SN74HC147	
TC74HC148A	Hitachi	HD74HC148	
	National	MM74HC148	
	SGS-Thomson	M74HC148	
	TI	SN74HC148	
TC74HC151A	Harris	CD74HC151	
	Hitachi	HD74HC151	
	Motorola	MC74HC151	
	National	MM74HC151	
	NJR	NJU74HC151	
	SGS-Thomson	M74HC151	
	Sharp	LR74HC151	
	Signetics	74HC151	
	TI	SN74HC151	
TC74HC153A	Harris	CD74HC153	
	Hitachi	HD74HC153	
	Motorola	MC74HC153	
	National	MM74HC153	
	NJR	NJU74HC153	
	SGS-Thomson	M74HC153	
	Sharp	LR74HC153	
	Signetics	74HC153	
	TI	SN74HC153	
	Universal	US74HC153	
TC74HC154A	Harris	CD74HC154	
	Hitachi	HD74HC154	
	Motorola	MC74HC154	
	National	MM74HC154	
	SGS-Thomson	M74HC154	
	Signetics	74HC154	
	TI	SN74HC154	
	Universal	US74HC154	
TC74HC155A	Hitachi	HD74HC155	
	Mitsubishi	M74HC155	
	National	MM74HC155	
	SGS-Thomson	M74HC155	
TC74HC157A	Harris	CD74HC157	
	Hitachi	HD74HC157	
	Motorola	MC74HC157A	
	National	MM74HC157	
	SGS-Thomson	M74HC157	
	Sharp	LR74HC157	
	Signetics	74HC157	
	TI	SN74HC157	
	Universal	US74HC157	
TC74HC158A	Harris	CD74HC158	
	Hitachi	HD74HC158	
	National	MM74HC158	
	SGS-Thomson	M74HC158	
	Sharp	LR74HC158	
	Signetics	74HC158	
	TI	SN74HC158	
	Universal	US74HC158	
TC74HC160A	Harris	CD74HC160	
	Hitachi	HD74HC160	
	Mitsubishi	M74HC160	
	Motorola	MC74HC160	
	National	MM74HC160	
	NJR	NJU74HC160	
	SGS-Thomson	M74HC160	
	Sharp	LR74HC160	
	Signetics	74HC160	
	TI	SN74HC160	
	Universal	US74HC160	
TC74HC161A	Harris	CD74HC161	
	Hitachi	HD74HC161	
	National	MM74HC161	
	NJR	NJU74HC161	
	SGS-Thomson	M74HC161	
	Sharp	LR74HC161	
	Signetics	74HC161	
	TI	SN74HC161	
	Universal	US74HC161	
TC74HC162A	Harris	CD74HC162	
	Hitachi	HD74HC162	
	Mitsubishi	M74HC162	
	Motorola	MC74HC162	
	National	MM74HC162	
	NJR	NJU74HC162	
	SGS-Thomson	M74HC162	
	Sharp	LR74HC162	
	Signetics	74HC162	

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Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	IC Master Device	Page

Toshiba America Electronic Components (Cont'd)

TC74HC162A			(Cont'd)
	TI	SN74HC162	
	Universal	US74HC162	
TC74HC163A	Harris	CD74HC163	
	Hitachi	HD74HC163	
	National	MM74HC163	
	NJR	NJU74HC163	
	Panasonic	MN74HC163	
	SGS-Thomson		
		M74HC163	
	Sharp	LR74HC163	
	Signetics	74HC163	
	TI	SN74HC163	
	Universal	US74HC163	
TC74HC164A	Harris	CD74HC164	
	Hitachi	HD74HC164	
	Motorola	MC74HC164	
	National	MM74HC164	
	NJR	NJU74HC164	
	SGS-Thomson		
		M74HC164	
	Sharp	LR74HC164	
	Signetics	74HC164	
	TI	SN74HC164	
	Universal	US74HC164	
TC74HC165A	Harris	CD74HC165	
	Hitachi	HD74HC165	
	Motorola	MC74HC165	
	National	MM74HC165	
	NJR	NJU74HC165	
	SGS-Thomson		
		M74HC165	
	Sharp	LR74HC165	
	Signetics	74HC165	
	TI	SN74HC165	
	Universal	US74HC165	
TC74HC166A	Harris	CD74HC166	
	Hitachi	HD74HC166	
	National	MM74HC166	
	NJR	NJU74HC166	
	SGS-Thomson		
		M74HC166	
	Signetics	74HC166	
	TI	SN74HC166	
TC74HC173A	Harris	CD74HC173	
	Hitachi	HD74HC173	
	Motorola	MC74HC173	
	National	MM74HC173	
	SGS-Thomson		
		M74HC173	
	Sharp	LR74HC173	
	Signetics	74HC173	
	TI	SN74HC173	
	Universal	US74HC173	
TC74HC174A	Harris	CD74HC174	
	Hitachi	HD74HC174	
	Motorola	MC74HC174A	
	National	MM74HC174	
	NJR	NJU74HC174	
	SGS-Thomson		
		M74HC174	
	Sharp	LR74HC174	
	Signetics	74HC174	
	TI	SN74HC174	
	Universal	US74HC174	
TC74HC175A	Harris	CD74HC175	
	Hitachi	HD74HC175	
	Motorola	MC74HC175	
	National	MM74HC175	
	NJR	NJU74HC175	
	SGS-Thomson		
		M74HC175	
	Sharp	LR74HC175	
	Signetics	74HC175	
	TI	SN74HC175	
	Universal	US74HC175	
TC74HC181A	Harris	CD74HC181	
	National	MM74HC181	
	SGS-Thomson		
		M74HC181	
	Signetics	74HC181	
TC74HC182A	Harris	CD74HC182	
	Hitachi	HD74HC182	
	National	MM74HC182	
	SGS-Thomson		
		M74HC182	
	Signetics	74HC182	
TC74HC190A	Harris	CD74HC190	
	Hitachi	HD74HC190	
	Mitsubishi	74HC190	
			(Continued)

TC74HC190A			(Cont'd)
	National	MM74HC190	
	SGS-Thomson		
		M74HC190	
	Signetics	74HC190	
	TI	SN74HC190	
	Universal	US74HC190	
TC74HC191A	GoldStar	GD74HC191	
	Harris	CD74HC191	
	Hitachi	HD74HC191	
	Mitsubishi	M74HC191	
	National	MM74HC191	
	SGS-Thomson		
		M74HC191	
	Signetics	74HC191	
	TI	SN74HC191	
	Universal	US74HC191	
TC74HC192A	Harris	CD74HC192	
	Hitachi	HD74HC192	
	Mitsubishi	M74HC192	
	National	MM74HC192	
	NJR	NJU74HC192	
	SGS-Thomson		
		M74HC192	
	Signetics	74HC192	
	TI	SN74HC192	
	Universal	US74HC192	
TC74HC193A	Harris	CD74HC193	
	Hitachi	HD74HC193	
	Mitsubishi	M74HC193	
	National	MM74HC193	
	SGS-Thomson		
		M74HC193	
	Signetics	74HC193	
	TI	SN74HC193	
	Universal	US74HC193	
TC74HC194A	Harris	CD74HC194	
	Hitachi	HD74HC194	
	Mitsubishi	M74HC194	
	Motorola	MC74HC194	
	National	MM74HC194	
	NJR	NJU74HC194	
	SGS-Thomson		
		M74HC194	
	Sharp	LR74HC194	
	Signetics	74HC194	
	TI	SN74HC194	
	Universal	US74HC194	
TC74HC195A	Harris	CD74HC195	
	Hitachi	HD74HC195	
	Mitsubishi	M74HC195	
	Motorola	MC74HC195	
	National	MM74HC195	
	NJR	NJU74HC195	
	SGS-Thomson		
		M74HC195	
	Sharp	LR74HC195	
	Signetics	74HC195	
	TI	SN74HC195	
	Universal	US74HC195	
TC74HC20A	Harris	CD74HC20	
	Hitachi	HD74HC20	
	Mitsubishi	M74HC20	
	Motorola	MC74HC20	
	National	MM74HC20	
	NJR	NJU74HC20	
	SGS-Thomson		
		M74HC20	
	Sharp	LR74HC20	
	Signetics	74HC20	
	TI	SN74HC20	
	Universal	US74HC20	
TC74HC21A	Harris	CD74HC21	
	Hitachi	HD74HC21	
	NJR	NJU74HC21	
	SGS-Thomson		
		M74HC21	
	Signetics	74HC21	
	TI	SN74HC21	
	Universal	US74HC21	
TC74HC221	Harris	CD74HC221	
	Hitachi	HD74HC221	
	National	MM74HC221A	
	SGS-Thomson		
		M74HC221	
		M74HC221A	
	Signetics	74HC221	
	Universal	US74HC221	
TC74HC237A	Harris	CD74HC237	
	Hitachi	HD74HC237	
	Mitsubishi	M74HC237	
	Motorola	MC74HC237	
	National	MM74HC237	
	NJR	NJU74HC237	
			(Continued)

TC74HC237A			(Cont'd)
	SGS-Thomson		
		M74HC237	
	Signetics	74HC237	
	TI	SN74HC237	
TC74HC238A	Harris	CD74HC238	
	Hitachi	HD74HC238	
	National	MM74HC238	
	NJR	NJU74HC238	
	SGS-Thomson		
		M74HC238	
	Signetics	74HC238	
	TI	SN74HC238	
TC74HC240A	GoldStar	GD74HC240	
	Harris	CD74HC240	
	Hitachi	HD74HC240	
	Mitsubishi	M74HC240	
		M74HC240-1	
	Motorola	MC74HC240A	
	National	MM74HC240	
	NJR	NJU74HC240	
	SGS-Thomson		
		M74HC240	
	Sharp	LR74HC240	
	Signetics	PC74HC240	
		74HC240	
	TI	SN74HC240	
TC74HC241A	Harris	CD74HC241	
	Hitachi	HD74HC241	
	Mitsubishi	M74HC241	
	Motorola	MC74HC241A	
	National	MM74HC241	
	NJR	NJU74HC241	
	SGS-Thomson		
		M74HC241	
		M74HC241HV	
	Sharp	LR74HC241	
	Signetics	74HC241	
	TI	SN74HC241	
TC74HC242A	Harris	CD74HC242	
	Hitachi	HD74HC242	
	Mitsubishi	M74HC242	
	Motorola	MC74HC242	
	National	MM74HC242	
	SGS-Thomson		
		M74HC242	
	Sharp	LR74HC242	
	Signetics	74HC242	
	TI	SN74HC242	
TC74HC243A	Harris	CD74HC243	
	Mitsubishi	M74HC243	
	National	MM74HC243	
	SGS-Thomson		
		M74HC243	
	Sharp	LR74HC243	
	Signetics	74HC243	
	TI	SN74HC243	
TC74HC244A	GoldStar	GD74HC244	
	Harris	CD74HC244	
	Hitachi	HD74HC244	
	Mitsubishi	M74HC244	
		M74HC244-1	
	Motorola	MC74HC244A	
	National	MM74HC244	
	NJR	NJU74HC244	
	SGS-Thomson		
		M74HC244	
	Sharp	LR74HC244	
	Signetics	74HC244	
	TI	SN74HC244	
TC74HC245A	GoldStar	GD74HC245	
	Harris	CD74HC245	
	Hitachi	HD74HC245	
	Mitsubishi	M74HC245	
		M74HC245-1	
	National	MM74HC245	
		MM74HC245A	
	NJR	NJU74HC245	
	SGS-Thomson		
		M74HC245	
	Sharp	LR74HC245	
	Signetics	74HC245	
	TI	SN74HC245	
TC74HC251A	Harris	CD74HC251	
	Hitachi	HD74HC251	
	Mitsubishi	M74HC251	
	Motorola	MC74HC251	
	National	MM74HC251	
	SGS-Thomson		
		M74HC251	
	Sharp	LR74HC251	
	Signetics	74HC251	
	TI	SN74HC251	

TC74HC253	Harris	CD74HC253	
	Hitachi	HD74HC253	
	Mitsubishi	M74HC253	
	Motorola	MC74HC253	
	National	MM74HC253	
	NJR	NJU74HC253	
	SGS-Thomson		
		M74HC253	
	Sharp	LR74HC253	
	Signetics	PC74HC253	
	TI	SN74HC253	
TC74HC257A	Harris	CD74HC257	
	Hitachi	HD74HC257	
	Mitsubishi	M74HC257	
	Motorola	MC74HC257	
	National	MM74HC257	
	SGS-Thomson		
		M74HC257	
	Sharp	LR74HC257	
	Signetics	74HC257	
	TI	SN74HC257	
TC74HC258A	Harris	CD74HC258	
	Hitachi	HD74HC258	
	National	MM74HC258	
	SGS-Thomson		
		M74HC258	
	Signetics	74HC258	
	TI	SN74HC258	
TC74HC259A	Harris	CD74HC259	
	Hitachi	HD74HC259	
	Mitsubishi	M74HC259	
	Motorola	MC74HC259	
	National	MM74HC259	
	NJR	NJU74HC259	
	SGS-Thomson		
		M74HC259	
	Sharp	LR74HC259	
	Signetics	74HC259	
	TI	SN74HC259	
♦ TC74HC266A	Mitsubishi	M74HC266	
		M74HC266A	
♦ TC74HC266A	National	MM74HC266	
	NJR	NJU74HC266	
	SGS-Thomson		
		M74HC266	
	Sharp	LR74HC266	
	TI	SN74HC266	
TC74HC27A	Harris	CD74HC27	
	Hitachi	HD74HC27	
	Mitsubishi	M74HC27	
	Motorola	MC74HC27	
	National	MM74HC27	
	NJR	NJU74HC27	
	SGS-Thomson		
		M74HC27	
	Sharp	LR74HC27	
	Signetics	74HC27	
	TI	SN74HC27	
TC74HC273A	GoldStar	GD74HC273	
	Harris	CD74HC273	
	Hitachi	HD74HC273	
	Mitsubishi	M74HC273	
		M74HC273-1	
	Motorola	MC74HC273A	
	National	MM74HC273	
	NJR	NJU74HC273	
	SGS-Thomson		
		M74HC273	
	Sharp	LR74HC273	
	Signetics	74HC273	
	TI	SN74HC273	
TC74HC279A	SGS-Thomson		
		M74HC279	
TC74HC280A	Harris	CD74HC280	
	Hitachi	HD74HC280	
	Mitsubishi	M74HC280	
	Motorola	MC74HC280	
	National	MM74HC280	
	SGS-Thomson		
		M74HC280	
	Sharp	LR74HC280	
	Signetics	74HC280	
	TI	SN74HC280	
TC74HC283A	Harris	CD74HC283	
	Mitsubishi	M74HC283	
	National	MM74HC283	
	SGS-Thomson		
		M74HC283	
	Signetics	74HC283	
	TI	SN74HC283	
TC74HC298A	Hitachi	HD74HC298	
	Motorola	MC74HC298	
	National	MM74HC298	
			(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Toshiba America Electronic Components (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HC298A			(Cont'd)
	SGS-Thomson	M74HC298	
	TI	SN74HC298	
TC74HC299A	Harris	CD74HC299	
	Motorola	MC74HC299	
	National	MM74HC299	
	SGS-Thomson	M74HC299	
	Sharp	LR74HC299	
	Signetics	74HC299	
	TI	SN74HC299	
TC74HC30A	Harris	CD74HC30	
	Hitachi	HD74HC30	
	Mitsubishi	M74HC30	
	Motorola	MC74HC30	
	National	MM74HC30	
	SGS-Thomson	M74HC30	
	Sharp	LR74HC30	
	Signetics	74HC30	
	TI	SN74HC30	
TC74HC32A	Harris	CD74HC32	
	Hitachi	HD74HC32	
	Mitsubishi	M74HC32	
	Motorola	MC74HC32A	
	National	MM74HC32	
	NJR	NJU74HC32	
	SGS-Thomson	M74HC32	
	Sharp	LR74HC32	
	Signetics	74HC32	
	TI	SN74HC32	
TC74HC323A	Hitachi	HD74HC323	
	National	MM74HC323	
	SGS-Thomson	M74HC323	
TC74HC352	NJR	NJU74HC352	
	SGS-Thomson	M74HC352	
	TI	SN74HC352	
TC74HC353A	Hitachi	HD74HC353	
	NJR	NJU74HC353	
	SGS-Thomson	M74HC353	
	TI	SN74HC353	
TC74HC354A	Harris	CD74HC354	
	Hitachi	HD74HC354	
	Motorola	MC74HC354	
	National	MM74HC354	
	SGS-Thomson	M74HC354	
	Sharp	LR74HC354	
	Signetics	74HC354	
	TI	SN74HC354	
TC74HC356A	Harris	CD74HC356	
	Hitachi	HD74HC356	
	National	MM74HC356	
	SGS-Thomson	M74HC356	
	Sharp	LR74HC356	
	Signetics	74HC356	
	TI	SN74HC356	
TC74HC365A	GoldStar	GD74HC365	
	Harris	CD74HC365	
	Hitachi	HD74HC365	
	Motorola	MC74HC365	
	National	MM74HC365	
	SGS-Thomson	M74HC365	
	Sharp	LR74HC365	
	Signetics	74HC365	
	TI	SN74HC365	
TC74HC366A	GoldStar	GD74HC366	
	Harris	CD74HC366	
	Hitachi	HD74HC366	
	Motorola	MC74HC366	
	National	MM74HC366	
	SGS-Thomson	M74HC366	
	Sharp	LR74HC366	
	Signetics	74HC366	
	TI	SN74HC366	
TC74HC367A	GoldStar	GD74HC367	
	Harris	CD74HC367	
	Hitachi	HD74HC367	
	Mitsubishi	M74HC367	
	Motorola	MC74HC367	
	National	MM74HC367	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HC367A			(Cont'd)
	SGS-Thomson	M74HC367	
	Signetics	74HC367	
	TI	SN74HC367	
TC74HC368A	GoldStar	GD74HC368	
	Harris	CD74HC368	
	Hitachi	HD74HC368	
	Motorola	MC74HC368	
	National	MM74HC368	
	SGS-Thomson	M74HC368	
	Sharp	LR74HC368	
	Signetics	74HC368	
	TI	SN74HC368	
TC74HC373A	GoldStar	GD74HC373	
	Harris	CD74HC373	
	Hitachi	HD74HC373	
	Mitsubishi	M74HC373-1	
	Motorola	MC74HC373A	
	National	MM74HC373	
	NJR	NJU74HC373	
	SGS-Thomson	M74HC373	
	Sharp	LR74HC373	
	Signetics	74HC373	
	TI	SN74HC373	
TC74HC374A	GoldStar	GD74HC374	
	Harris	CD74HC374	
	Hitachi	HD74HC374	
	Mitsubishi	M74HC374-1	
	Motorola	MC74HC374A	
	National	MM74HC374	
	NJR	NJU74HC374	
	SGS-Thomson	M74HC374	
	Sharp	LR74HC374	
	Signetics	74HC374	
	TI	SN74HC374	
TC74HC375A	Hitachi	HD74HC375	
	NJR	NJU74HC375	
	SGS-Thomson	M74HC375	
	TI	SN74HC375	
TC74HC377A	Harris	CD74HC377	
	Hitachi	HD74HC377	
	NJR	NJU74HC377	
	SGS-Thomson	M74HC377	
	Signetics	74HC377	
	TI	SN74HC377	
TC74HC386A	Hitachi	HD74HC386	
	SGS-Thomson	M74HC386	
	TI	SN74HC386	
TC74HC390A	Harris	CD74HC390	
	Hitachi	HD74HC390	
	Motorola	MC74HC390	
	National	MM74HC390	
	NJR	NJU74HC390	
	SGS-Thomson	M74HC390	
	Sharp	LR74HC390	
	Signetics	74HC390	
	TI	SN74HC390	
TC74HC393A	Harris	CD74HC393	
	Hitachi	HD74HC393	
	Motorola	MC74HC393	
	National	MM74HC393	
	NJR	NJU74HC393	
	SGS-Thomson	M74HC393	
	Sharp	LR74HC393	
	Signetics	74HC393	
	TI	SN74HC393	
TC74HC4002A			
	Harris	CD74HC4002	
	Mitsubishi	M74HC4002	
	Motorola	MC74HC4002	
	National	MM74HC4002	
	NJR	NJU74HC4002	
	SGS-Thomson	M74HC4002	
	Sharp	LR74HC4002	
	Signetics	74HC4002	
	TI	SN74HC4002	
TC74HC40102A			
	Harris	CD74HC40102	
	SGS-Thomson	M74HC40102	
	Signetics	74HC40102	

Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HC40103A			
	Harris	CD74HC40103	
	SGS-Thomson	M74HC40103	
	Signetics	74HC40103	
TC74HC40105A			
	Harris	CD74HC40105	
	Signetics	74HC40105	
TC74HC4016A			
	Harris	CD74HC4016	
	Motorola	MC74HC4016	
	National	MM74HC4016	
	Signetics	74HC4016	
TC74HC4017A			
	Harris	CD74HC4017	
	Hitachi	HD74HC4017	
	Motorola	MC74HC4017	
	National	MM74HC4017	
	SGS-Thomson	M74HC4017	
	Signetics	74HC4017	
	TI	SN74HC4017	
TC74HC4020A			
	Harris	CD74HC4020	
	Hitachi	HD74HC4020	
	Mitsubishi	M74HC4020	
	National	MM74HC4020	
	NJR	NJU74HC4020	
	SGS-Thomson	M74HC4020	
	Signetics	74HC4020	
	TI	SN74HC4020	
TC74HC4022A			
	Hitachi	HD74HC4022	
	SGS-Thomson	M74HC4022	
	TI	SN74HC4022	
TC74HC4024A			
	Harris	CD74HC4024	
	Hitachi	HD74HC4024	
	Mitsubishi	M74HC4024	
	Motorola	MC74HC4024	
	National	MM74HC4024	
	SGS-Thomson	M74HC4024	
	Sharp	LR74HC4024	
	Signetics	74HC4024	
	TI	SN74HC4024	
TC74HC4028A			
	SGS-Thomson	M74HC4028	
TC74HC4040A			
	Harris	CD74HC4040	
	Hitachi	HD74HC4040	
	Mitsubishi	M74HC4040	
	National	MM74HC4040	
	NJR	NJU74HC4040	
	SGS-Thomson	M74HC4040	
	Signetics	74HC4040	
	TI	SN74HC4040	
TC74HC4049A			
	Harris	CD74HC4049	
	Mitsubishi	M74HC4049B	
	Motorola	MC74HC4049	
	National	MM74HC4049	
	SGS-Thomson	M74HC4049	
	Signetics	74HC4049	
TC74HC4050A			
	Harris	CD74HC4050	
	Mitsubishi	M74HC4050B	
	Motorola	MC74HC4050	
	National	MM74HC4050	
	SGS-Thomson	M74HC4050	
	Signetics	74HC4050	
♦ TC74HC4051	Harris	CD74HC4051	
	Mitsubishi	M74HC4051	
	Motorola	MC74HC4051	
	National	MM74HC4051	
	SGS-Thomson	M74HC4051	
	Signetics	74HC4051	
	Toshiba	TC74HC4051A	
TC74HC4051A			
	Harris	CD74HC4051	
	Mitsubishi	M74HC4051	
	Motorola	MC74HC4051	
	National	MM74HC4051	
	SGS-Thomson	M74HC4051	
	Signetics	74HC4051	
♦ TC74HC4052	Harris	CD74HC4052	
	Mitsubishi	M74HC4052	

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Manufacturer Device	Replacement Source	Device	IC Master Page
♦ TC74HC4052			(Cont'd)
	Motorola	MC74HC4052	
	National	MM74HC4052	
	Panasonic	MN74HC4052	
	SGS-Thomson	M74HC4052	
	Signetics	74HC4052	
	Toshiba	TC74HC4052A	
TC74HC4052A			
	Harris	CD74HC4052	
	Mitsubishi	M74HC4052	
	Motorola	MC74HC4052	
	National	MM74HC4052	
	Panasonic	MN74HC4052	
	SGS-Thomson	M74HC4052	
	Signetics	74HC4052	
♦ TC74HC4053	Harris	CD74HC4053	
	Mitsubishi	M74HC4053	
	Motorola	MC74HC4053	
	National	MM74HC4053	
	SGS-Thomson	M74HC4053	
	Signetics	74HC4053	
	Toshiba	TC74HC4053A	
TC74HC4053A			
	Harris	CD74HC4053	
	Mitsubishi	M74HC4053	
	Motorola	MC74HC4053	
	National	MM74HC4053	
	SGS-Thomson	M74HC4053	
	Signetics	74HC4053	
TC74HC4060A			
	Harris	CD74HC4060	
	Hitachi	HD74HC4060	
	National	MM74HC4060	
	SGS-Thomson	M74HC4060	
	Signetics	74HC4060	
	TI	SN74HC4060	
TC74HC4066A			
	Harris	CD74HC4066	
	Motorola	MC74HC4066	
	National	MM74HC4066	
	NJR	NJU74HC4066	
	SGS-Thomson	M74HC4066	
	Signetics	74HC4066	
	TI	SN74HC4066	
TC74HC4072A			
	NJR	NJU74HC4072	
	SGS-Thomson	M74HC4072	
TC74HC4075A			
	Harris	CD74HC4075	
	Mitsubishi	M74HC4075	
	Motorola	MC74HC4075	
	National	MM74HC4075	
	SGS-Thomson	M74HC4075	
	Sharp	LR74HC4075	
	Signetics	74HC4075	
	TI	SN74HC4075	
TC74HC4078A			
	Mitsubishi	M74HC4078	
	Motorola	MC74HC4078	
	National	MM74HC4078	
	SGS-Thomson	M74HC4078	
	Sharp	LR74HC4078	
	TI	SN74HC4078A	
TC74HC4094A			
	Harris	CD74HC4094	
	SGS-Thomson	M74HC4094	
	Signetics	74HC4094	
TC74HC42A	Harris	CD74HC42	
	Hitachi	HD74HC42	
	Mitsubishi	M74HC42	
	Motorola	MC74HC42	
	National	MM74HC42	
	SGS-Thomson	M74HC42	
	Sharp	LR74HC42	
	Signetics	74HC42	
	TI	SN74HC42	
TC74HC423	Harris	CD74HC423	
	Hitachi	HD74HC423	
	National	MM74HC423A	
	SGS-Thomson	M74HC423	
		M74HC423A	

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♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Toshiba America Electronic Components (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HC423			(Cont'd)
	Signetics	74HC423	
	Toshiba	TC74HC423A	
TC74HC423A	Harris	CD74HC423	
	Hitachi	HD74HC423	
	National	MM74HC423A	
	SGS-Thomson		
		M74HC423	
		M74HC423A	
	Signetics	74HC423	
	Toshiba	TC74HC423	
TC74HC4316A			
	Harris	CD74HC4316	
	Motorola	MC74HC4316	
	National	MM74HC4316	
	SGS-Thomson		
		M74HC4316	
	Signetics	74HC4316	
TC74HC4351A			
	Harris	CD74HC4351	
	Motorola	MC74HC4351	
	SGS-Thomson		
		M74HC4351	
	Signetics	74HC4351	
TC74HC4352A			
	Harris	CD74HC4352	
	Motorola	MC74HC4352	
	SGS-Thomson		
		M74HC4352	
	Signetics	74HC4352	
TC74HC4353A			
	Harris	CD74HC4353	
	Motorola	MC74HC4353	
	SGS-Thomson		
		M74HC4353	
	Signetics	74HC4353	
TC74HC4511A			
	Harris	CD74HC4511	
	Hitachi	HD74HC4511	
	Motorola	MC74HC4511	
	National	MM74HC4511	
	SGS-Thomson		
		M74HC4511	
	Sharp	LR74HC4511	
	Signetics	74HC4511	
TC74HC4514A			
	Harris	CD74HC4514	
	Hitachi	HD74HC4514	
	Motorola	MC74HC4514	
	National	MM74HC4514	
	SGS-Thomson		
		M74HC4514	
	Sharp	LR74HC4514	
	Signetics	74HC4514	
	TI	SN74HC4514	
TC74HC4515A			
	Harris	CD74HC4515	
	Hitachi	HD74HC4515	
	Signetics	74HC4515	
	TI	SN74HC4515	
TC74HC4518A			
	Harris	CD74HC4518	
	Hitachi	HD74HC4518	
	National	MM74HC4518	
	SGS-Thomson		
		M74HC4518	
	Signetics	74HC4518	
TC74HC4520A			
	Harris	CD74HC4520	
	Hitachi	HD74HC4520	
	National	MM74HC4520	
	Signetics	74HC4520	
TC74HC4538A			
	Harris	CD74HC4538	
	Hitachi	HD74HC4538	
	Motorola	MC74HC4538A	
	National	MM74HC4538	
	SGS-Thomson		
		M74HC4538	
	Signetics	74HC4538	
TC74HC4543A			
	Harris	CD74HC4543	
	Hitachi	HD74HC4543	
	National	MM74HC4543	
	SGS-Thomson		
		M74HC4543	
	Sharp	LR74HC4543	
	Signetics	74HC4543	
TC74HC51A	Hitachi	HD74HC51	
	Mitsubishi	M74HC51	
	Motorola	MC74HC51	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HC51A			(Cont'd)
	National	MM74HC51	
	NJR	NJU74HC51	
	SGS-Thomson		
		M74HC51	
	Sharp	LR74HC51	
	TI	SN74HC51	
TC74HC533A	Harris	CD74HC533	
	Hitachi	HD74HC533	
	Mitsubishi	M74HC533	
		M74HC533-1	
	Motorola	MC74HC533A	
	National	MM74HC533	
	NJR	NJU74HC533	
	SGS-Thomson		
		M74HC533	
	Sharp	LR74HC533	
	Signetics	74HC533	
	TI	SN74HC533	
TC74HC534A	Harris	CD74HC534	
	Hitachi	HD74HC534	
	Mitsubishi	M74HC534	
		M74HC534-1	
	Motorola	MC74HC534A	
	National	MM74HC534	
	NJR	NJU74HC534	
	SGS-Thomson		
		M74HC534	
	Sharp	LR74HC534	
	Signetics	74HC534	
	TI	SN74HC534	
TC74HC540A	Harris	CD74HC540	
	Hitachi	HD74HC540	
	Mitsubishi	M74HC540	
	Motorola	MC74HC540	
	National	MM74HC540	
	SGS-Thomson		
		M74HC540	
	Signetics	74HC540	
	TI	SN74HC540	
TC74HC541A	Harris	CD74HC541	
	Hitachi	HD74HC541	
	Mitsubishi	M74HC541	
	Motorola	MC74HC541	
	National	MM74HC541	
	SGS-Thomson		
		M74HC541	
	Sharp	LR74HC541	
	Signetics	74HC541	
	TI	SN74HC541	
TC74HC563A	Harris	CD74HC563	
	Hitachi	HD74HC563	
	Motorola	MC74HC563	
	National	MM74HC563	
	SGS-Thomson		
		M74HC563	
	Sharp	LR74HC563	
	Signetics	74HC563	
	TI	SN74HC563	
TC74HC564A	Harris	CD74HC564	
	Hitachi	HD74HC564	
	Motorola	MC74HC564	
	National	MM74HC564	
	SGS-Thomson		
		M74HC564	
	Sharp	LR74HC564	
	Signetics	74HC564	
	TI	SN74HC564	
TC74HC573A	Harris	CD74HC573	
	Hitachi	HD74HC573	
	Motorola	MC74HC573A	
	National	MM74HC573	
	SGS-Thomson		
		M74HC573	
	Signetics	74HC573	
	TI	SN74HC573	
TC74HC574A	Harris	CD74HC574	
	Hitachi	HD74HC574	
	Motorola	MC74HC574A	
	National	MM74HC574	
	SGS-Thomson		
		M74HC574	
	Sharp	LR74HC574	
	Signetics	74HC574	
	TI	SN74HC574	
TC74HC590	Hitachi	HD74HC590	
	National	MM74HC590	
	SGS-Thomson		
		M74HC590	
	TI	SN74HC590A	
TC74HC592	Hitachi	HD74HC592	
	National	MM74HC592	
	SGS-Thomson		
		M74HC592	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HC593A	Hitachi	HD74HC593	
	National	MM74HC593	
	SGS-Thomson		
		M74HC593	
TC74HC595A	Hitachi	HD74HC595	
	Mitsubishi	M74HC595	
	National	MM74HC595	
	SGS-Thomson		
		M74HC595	
	Sharp	LR74HC595	
	TI	SN74HC595	
TC74HC597A	Harris	CD74HC597	
	Hitachi	HD74HC597	
	Motorola	MC74HC597	
	National	MM74HC597	
	SGS-Thomson		
		M74HC597	
	Sharp	LR74HC597	
	Signetics	74HC597	
TC74HC620A	Hitachi	HD74HC620	
	National	MM74HC620	
	NJR	NJU74HC620	
	SGS-Thomson		
		M74HC620	
	TI	SN74HC620	
TC74HC623A	Hitachi	HD74HC623	
	National	MM74HC623	
	NJR	NJU74HC623	
	SGS-Thomson		
		M74HC623	
	TI	SN74HC623	
TC74HC640A	Harris	CD74HC640	
	Hitachi	HD74HC640	
	Mitsubishi	M74HC640	
		M74HC640-1	
	Motorola	MC74HC640A	
	National	MM74HC640	
	NJR	NJU74HC640	
	SGS-Thomson		
		M74HC640	
	Sharp	LR74HC640	
	Signetics	74HC640	
	TI	SN74HC640	
TC74HC643A	Harris	CD74HC643	
	Hitachi	HD74HC643	
	Mitsubishi	M74HC643	
		M74HC643-1	
	National	MM74HC643	
	NJR	NJU74HC643	
	SGS-Thomson		
		M74HC643	
	Sharp	LR74HC643	
	Signetics	74HC643	
	TI	SN74HC643	
TC74HC646A	Harris	CD74HC646	
	Motorola	MC74HC646	
	National	MM74HC646	
	SGS-Thomson		
		M74HC646	
	Signetics	74HC646	
	TI	SN74HC646	
TC74HC648A	Harris	CD74HC648	
	Motorola	MC74HC648	
	National	MM74HC648	
	SGS-Thomson		
		M74HC648	
	Signetics	74HC648	
	TI	SN74HC648	
TC74HC651A	Harris	CD74HC651	
	SGS-Thomson		
		M74HC651	
	TI	SN74HC651	
TC74HC652A	Harris	CD74HC652	
	SGS-Thomson		
		M74HC652	
	TI	SN74HC652	
TC74HC670A	GoldStar	GD74HC670	
	Harris	CD74HC670	
	Hitachi	HD74HC670	
	Motorola	MC74HC670	
	SGS-Thomson		
		M74HC670	
	Signetics	74HC670	
TC74HC688A	Harris	CD74HC688	
	Hitachi	HD74HC688	
	Motorola	MC74HC688	
	National	MM74HC688	
	SGS-Thomson		
		M74HC688	
	Sharp	LR74HC688	
	Signetics	74HC688	
	TI	SN74HC688	
TC74HC690A	SGS-Thomson		
		M74HC690	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HC691A	SGS-Thomson		
		M74HC691	
TC74HC692A	SGS-Thomson		
		M74HC692	
TC74HC693A	SGS-Thomson		
		M74HC693	
TC74HC696A	SGS-Thomson		
		M74HC696	
TC74HC698A	SGS-Thomson		
		M74HC698	
TC74HC699A	SGS-Thomson		
		M74HC699	
TC74HC7240A			
	SGS-Thomson		
		M74HC7240	
TC74HC7241A			
	SGS-Thomson		
		M74HC7241	
TC74HC7244A			
	SGS-Thomson		
		M74HC7244	
TC74HC7266A			
	Harris	CD74HC7266	
	Motorola	MC74HC7266	
	National	MM74HC7266	
	SGS-Thomson		
		M74HC7266	
	Signetics	74HC7266	
	TI	SN74HC7266	
TC74HC7292	SGS-Thomson		
		M74HC7292	
	Toshiba	TC74HC7292A	
TC74HC7292A			
	SGS-Thomson		
		M74HC7292	
	Toshiba	TC74HC7292	
TC74HC7294	SGS-Thomson		
		M74HC7294	
	Toshiba	TC74HC7294A	
TC74HC7294A			
	SGS-Thomson		
		M74HC7294	
	Toshiba	TC74HC7294	
TC74HC73A	Harris	CD74HC73	
	Hitachi	HD74HC73	
	Mitsubishi	M74HC73	
	Motorola	MC74HC73	
	National	MM74HC73	
	SGS-Thomson		
		M74HC73	
	Signetics	74HC73	
	TI	SN74HC73	
TC74HC74A	GoldStar	GD74HC74	
	Harris	CD74HC74	
	Hitachi	HD74HC74	
	Mitsubishi	M74HC74	
	Motorola	MC74HC74A	
	National	MM74HC74	
	NJR	NJU74HC74	
	SGS-Thomson		
		M74HC74	
	Sharp	LR74HC74	
	Signetics	74HC74	
	TI	SN74HC74	
TC74HC75A	Harris	CD74HC75	
	Hitachi	HD74HC75	
	Mitsubishi	M74HC75	
	Motorola	MC74HC75	
	National	MM74HC75	
	SGS-Thomson		
		M74HC75	
	Sharp	LR74HC75	
	Signetics	74HC75	
	TI	SN74HC75	
TC74HC76A	Hitachi	HD74HC76	
	Mitsubishi	M74HC76	
	Motorola	MC74HC76	
	National	MM74HC76	
	SGS-Thomson		
		M74HC76	
	Sharp	LR74HC76	
	TI	SN74HC76	
TC74HC77A	Hitachi	HD74HC77	
	SGS-Thomson		
		M74HC77	
	TI	SN74HC77	
TC74HC85A	Harris	CD74HC85	
	Hitachi	HD74HC85	
	Mitsubishi	M74HC85	
	Motorola	MC74HC85	
	National	MM74HC85	
	NJR	NJU74HC85	
	SGS-Thomson		
		M74HC85	
	Sharp	LR74HC85	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Toshiba America Electronic Components (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
TC74HC85A			(Cont'd)
	Signetics	74HC85	
	TI	SN74HC85	
TC74HC86A	Harris	CD74HC86	
	Hitachi	HD74HC86	
	Mitsubishi	M74HC86	
	Motorola	MC74HC86	
	National	MM74HC86	
	NJR	NJU74HC86	
	SGS-Thomson	M74HC86	
	Sharp	LR74HC86	
	Signetics	74HC86	
	TI	SN74HC86	
TC8565	Micro-C	8565	
TC8831	Samsung	KS5915	
TC9012	Samsung	KS5410	
TC9167	Samsung	KA2230	
TC9224	Samsung	KS7226	
TDA7021	Samsung	KA22429	
TDB2046	Harris	CA3046	
TD62001	Allegro		
	Micro	ULN2001	
TD62002	Allegro		
	Micro	ULN2002	
TD62003	Allegro		
	Micro	ULN2003	
TD62004	Allegro		
	Micro	ULN2004	
TD62064	Allegro		
	Micro	ULN2064	
TD62074	Allegro		
	Micro	ULN2074	
TD62081	Allegro		
	Micro	ULN2801	
TD62082	Allegro		
	Micro	ULN2802	
TD62083	Allegro		
	Micro	ULN2803	
TD62084	Allegro		
	Micro	ULN2804	
TD62101	Allegro		
	Micro	ULN2001	
TD62103	Allegro		
	Micro	ULN2003	
TD62104	Allegro		
	Micro	ULN2004	
TD62479	Allegro		
	Micro	UDN5714	
TD6250	Harris	CA3183	
TD62555	Samsung	KA2618	
TD62781	Allegro		
	Micro	UDN6118	
TD62782	Allegro		
	Micro	UDN6128	
TD6347	Samsung	KS3502	
TD6352	GEC Plessey	SP5000	
TD6359	Samsung	KA2185	
TD6362	Samsung	KA8303	
TD6712	Fujitsu	MB40576	
THM361020	Samsung	KMM5361000	
THM362500	Motorola	MCM36256	
	NEC	MC424256A36	
	Samsung	KMM536256	
	Vitelic	V104AJ36	
THM365120	Motorola	MCM36512	
	NEC	MC424512A36	
	Samsung	KMM536512	
	Vitelic	V104AJ236	
THM81000	Motorola	MCM81000	
	NEC	MC421000A8	
	Samsung	KMM581000	
	Vitelic	V100AJ8	
THM82500	Vitelic	V256J8	
THM91000	Motorola	MCM91000	
	NEC	MC421000A9	
		MC424256A36	
	Vitelic	V100AJ9	
THM91000A	Samsung	KMM591000	
THM92500	Vitelic	V256J9	
TL8808	Samsung	KS7104	
TL8809	Samsung	KS7105	
TMM2015	Cypress	CY7C128	
	LogicDev	L6116	
TMM2016	AMD	AM9122	
	Krueger	**2128-100**	**(3548)**
		2128-120	**(3548)**
	Micro-C	S2KX8 ♦	
	Mosel	MS6516	
TMM2018	Cypress	CY7C128	
	IDT	IDT6116	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TMM2018			(Cont'd)
	LogicDev	L6116	
	Mosel	MS6516	
	Vitelic	V61C16	
TMM2063	Micro-C	S8KX8	
TMM2064	Micro-C	S8KX8	
	Mosel	MS6264	
TMM2064-70	Krueger	6264-070	
TMM2068	Cypress	CY7C168	
	IDT	IDT6168	
	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	LogicDev	L7C168	
	Performance	P4C168	
TMM2069	Cypress	CY7C169	
TMM2078	Cypress	CY7C170	
	LogicDev	L7C170	
TMM2088	Cypress	CY7C186	
	Krueger	6264-025	
		6264-035	
		6264-045	
	Mosel	MS6264	
	UMC	UM6164	
	Vitelic	V63C64	
TMM2089	Mosel	MS6264	
TMM2114A	**Krueger**	**2114-150**	**(3548)**
		2114-200	**(3548)**
		2114-450	**(3548)**
TMM23128	OKI	MSM38128	
	Panasonic	MN23128	
TMM2365	OKI	MSM3864	
TMM27128	**Krueger**	**27128-200**	**(3548)**
		27128-250	**(3548)**
		27128-300	**(3548)**
	OKI	MSM27128	
	SEEQ	27128	
TMM27256	Cypress	CY7C274	
	Krueger	**27256-200**	**(3548)**
		27256-250	**(3548)**
		27256-300	**(3548)**
	OKI	MSM27256	
	Waferscale	WS27C256	
TMM2732	**Krueger**	**2732-250**	**(3548)**
		2732-300	**(3548)**
		2732-350	**(3548)**
		2732-450	**(3548)**
	Micro-C	2732	
TMM27512	AMD	AM27C512	
	Cypress	CY7C286	
	Krueger	**27512-200**	**(3548)**
		27512-250	**(3548)**
	OKI	MSM27512	
	Waferscale	WS27C512	
TMM2764	Catalyst		
	Semi	CAT2764	
	Krueger	**2764-200**	**(3548)**
		2764-250	**(3548)**
		2764-300	**(3548)**
		2764-450	**(3548)**
	OKI	MSM2764	
	SEEQ	2764	
TMM2764A	Krueger	2764A-200	
		2764A-250	
		2764A-300	
		2764A-450	
TMM314	Micro-C	314	
TMM315	Cypress	CY2147	
TMM323	**Krueger**	**2716-350**	**(3548)**
		2716-450	**(3548)**
TMM41256	GoldStar	GM71256	
	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	NEC	μPD41256	
	OKI	MSM41256	
	Panasonic	MN41256	
	Siemens	HYB41256	
	Vitelic	V53C256	
TMM41257	OKI	MSM41257	
	Panasonic	MN41257	
	Siemens	HYB41257	
TMM41464	GoldStar	GM71C464	
	Krueger	41464-100	
		41464-120	
		41464-150	
	NEC	μPD41464	
	OKI	MSM41464	
	Panasonic	MN41464	
	Vitelic	V53C464	

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Manufacturer Device	Replacement Source	Device	IC Master Page
TMM4164	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
	Micro-C	4164	
	OKI	MSM3764	
	Siemens	HYB4164	
TMM8251	Micro-C	8251	
TMPZ84C30	Micro-C	84C30	
TMPZ84C40	Micro-C	84C40	
TMP68HC05	Hitachi	HD6305	
TMP68HC11	Hitachi	HD6301	
		HD647180	
TMP80C40	Micro-C	80C40	
TMP8039	Krueger	8039	
	Micro-C	8039	
TMP8049	Micro-C	8049	
TMP8085	Micro-C	8085	
	Siemens	SAB8085	
TMP8085A	**Krueger**	**8085A**	**(3548)**
	Newbridge	**CA80C85B**	**(3593)**
TMP8155	Siemens	SAB8155	
TMP82C37	Micro-C	82C37	
TMP82C37A	**Newbridge**	**CA82C37A**	**(3593)**
TMP82C51	Krueger	8251	
TMP82C53	Krueger	8253	
TMP82C54	Micro-C	82C54	
TMP82C55	Micro-C	82C55	
TMP82C55A	**Newbridge**	**CA82C55A**	**(3593)**
TMP82C59	Micro-C	82C59	
TMP82C59A	**Newbridge**	**CA82C59A**	**(3593)**
TMP8237	Krueger	8237	
	Siemens	SAB8237	
TMP8237A	**Newbridge**	**CA82C37A**	**(3593)**
TMP8243	Micro-C	8243	
TMP8251	AMD	P8251	
	Krueger	8251	
TMP8253	AMD	P8253	
	Krueger	8253	
	Micro-C	8253	
TMP8255	AMD	P8255	
	Krueger	8255	
	Micro-C	8255	
TMP8259	Micro-C	8259	
	Siemens	SAB8259	
TMP8259A	Krueger	8259	
	Newbridge	**CA82C59A**	**(3593)**
TMP84C00	Micro-C	84C00	
TMP8517	AMD	P8237	
TMP8755	Micro-C	8755	
TMP91C640	Hitachi	HD647180	
TMP9517	AMD	AM9517	
T6667	Samsung	KS5912	
T6668	Samsung	KS5911	
		KS5917	
T6721	Samsung	KS5901	
T6803	Samsung	KS5902	
T6899	Samsung	KS6027	
1818	Micro-C	1818	
6231555	Micro-C	41256	
74AC251	Harris	CD74AC251	
	Motorola	MC74AC251	
	National	74AC251	
	Toshiba	TC74AC251	
84C00	Micro-C	84C00	

TRW

Manufacturer Device	Replacement Source	Device	IC Master Page
MPY008	LogicDev	LMU08	
MPY012	LogicDev	LMU12	
MPY016	Cypress	CY7C516	
	IDT	IDT7216	
	LogicDev	LMU16	
		LMU216	
MPY08	LogicDev	LMU8	
MPY112	LogicDev	LMU112	
OHN3013	Allegro		
	Micro	UGN3113	
OHN3019	Allegro		
	Micro	UGN3119	
OHN3020	Allegro		
	Micro	UGN3120	
OHN3030	Allegro		
	Micro	UGN3130	
OHN3040	Allegro		
	Micro	UGN3140	
OHS3019	Allegro		
	Micro	UGS3119	
OHS3020	Allegro		
	Micro	UGS3120	
OHS3030	Allegro		
	Micro	UGS3130	
OHS3040	Allegro		
	Micro	UGS3140	

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Manufacturer Device	Replacement Source	Device	IC Master Page
OH360	Allegro		
	Micro	UGN3120	
TDC1001	GEC Plessey	ZN448	
TDC1002	GEC Plessey	ZN448	
TDC1009	LogicDev	LMA1009	
		LMU2009	
TDC1010	Cypress	CY7C510	
	IDT	IDT7210	
	LogicDev	LMA1010	
TDC1014	GEC Plessey	ZN440	
TDC1016	GEC Plessey	SP9770	
	Samsung	KDA3310	
TDC1018	GEC Plessey	SP97618	
		ZN515	
TDC1023	LogicDev	L10C23	
TDC1025	GEC Plessey	SP97508	
TDC1029	GEC Plessey	SP9756	
		SP9758	
TDC1030	GEC Plessey	MV66030	
TDC1046	GEC Plessey	ZN440	
TDC1048	IDT	IDT75C48	
TDC1334	GEC Plessey	ZN454	
TMC2009	LogicDev	LMA1009	
		LMU2009	
TMC2010	Cypress	CY7C510	
	IDT	IDT7210	
	LogicDev	LMA1010	
TMC2109	LogicDev	LMA1009	
		LMU2009	
TMC2110	IDT	IDT7210	
	LogicDev	LMA1010	
TMC216	Cypress	CY7C516	
	IDT	IDT7216	
	LogicDev	LMU16	
		LMU216	
TMC2210	LogicDev	LMA1010	
	Waferscale	**WS59510**	**(3753)**

Unicorn Microelectronics Corp. (UMC)

Manufacturer Device	Replacement Source	Device	IC Master Page
T40992	Samsung	KS5805	
T40993	Samsung	KS5805	
UC493	SiliconG	UC493	
UMC6502	CMD Micro	G65SC02	
UMC6522	CMD Micro	G65SC22	
UMC6532	CMD Micro	G65SC32	
UMC6551	CMD Micro	G65SC51	
UM2148	**Krueger**	**2148-35**	**(3548)**
		2148-45	**(3548)**
		2148-55	
		2148-70	**(3548)**
UM2149	**Krueger**	**2149-35**	**(3548)**
		2149-45	**(3548)**
		2149-55	
		2149-70	**(3548)**
UM3128	Samsung	KS6125	
		KS6325	
UM3135	Samsung	KS6326	
UM3210	Samsung	KS5113	
UM3217	Samsung	KS5190	
UM3219	Samsung	KS5199	
	Sanyo	KS5120	
UM3230	Samsung	KS5243	
UM3252	Samsung	KS5206	
UM4164	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
UM4501	Micro-C	4501	
UM6114	Krueger	21C14-150	
		21C14-200	
		21C14-450	
UM6116	**Krueger**	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	Mosel	MS6516	
UM61168	Toshiba	TC55187	
UM6164	Toshiba	TC5588	
UM6167	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
UM6168	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
UM621024	Toshiba	TC551001	
UM62256	Inova	S32K8	
	Toshiba	TC55257	
UM6264	**Krueger**	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Unicorn Microelectronics Corp. (UMC) (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
UM6264			(Cont'd)
	Mosel	MS6264	
	Toshiba	TC5563	
		TC5565	
UM6264L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
UM6551	Gould AMI	S6551	
UM6845	Krueger	6845	
♦ UM74HCT646			
	Harris	CD74HCT646	
	Motorola	MC74HCT646	
	SGS-Thomson		
		M74HCT646	
	Signetics	74HCT646	
	TI	SN74HCT646	
	Toshiba	TC74HCT646A	
UM82C11	Micro-C	82C11	
	Samsung	KS82C411	
UM82C206	Samsung	KS83C206	
UM82C211	Samsung	KS83C211	
UM82C212	Samsung	KS83C212	
UM82C215	Samsung	KS83C215	
UM82C84	Samsung	KS82C84	
UM82C88	**Newbridge**	**CA82C88**	**(3593)**
	Samsung	KS82C88	
UM8237	Krueger	8237	
	Samsung	KS82C37	
UM8237A	**Newbridge**	**CA82C37A**	**(3593)**
UM82450	**Krueger**	**16450**	**(3548)**
UM8250	**Krueger**	**8250**	**(3548)**
	Micro-C	8250	
	Samsung	KS82C50	
UM8250A	Newbridge	CA82C50A	
UM8254	**Newbridge**	**CA82C54**	**(3593)**
	Samsung	KS82C54	
UM8255	Samsung	KS82C55	
UM8259	Samsung	KS82C59	
UM8259A	Krueger	8259	
	Newbridge	**CA82C59A**	**(3593)**
UM91210	Samsung	KS58004	
		KS58005	
		KS58006	
		KS58007	
		KS5820	
UM91230	Samsung	KS58000	
		KS58001	
		KS58002	
		KS58003	
		KS5819	
UM91260	Samsung	KS5823	
		KS58501	
		KS58502	
		KS58503	
		KS58504	
UM91261	Samsung	KS5822	
		KS58500	
UM91271	Samsung	KS58528	
		KS58529	
		KS58530	
		KS58531	
		KS58532	
		KS58533	
		KS58534	
		KS58535	
		KS58536	
		KS58537	
		KS58538	
		KS58539	
UM9151	Samsung	KS58C05	
		KS58E05	
		KS5851	
		KS5853	
UM95087	Samsung	KS5809	
UM95089	Samsung	KS5808	
UM9559	Samsung	KS5810	

United Technologies

UT63M105	GEC Plessey	CT1487	
UT63M107	GEC Plessey	CT1589	
UT63M115	GEC Plessey	CT1487	
UT63M117	GEC Plessey	CT1589	
UT63M125	GEC Plessey	CT1487	
UT63M127	GEC Plessey	CT1589	
UT63M135	GEC Plessey	CT1487	
UT63M137	GEC Plessey	CT1589	

Unitrode Integrated Circuits

Manufacturer Device	Replacement Source	Device	IC Master Page
LT317	LinearTech	LT317	
L293	Allegro		
	Micro	UDN2993	
	National	LM18293	
L295	Allegro		
	Micro	UDN2962	
L298	Allegro		
	Micro	UDN2998	
PIC600	SiliconG	SM600	
	Unitrode	PIC7519	
PIC601	SiliconG	SM601	
PIC602	SiliconG	SM602	
PIC610	SiliconG	SM610	
PIC611	SiliconG	SM611	
	Unitrode	PIC7505	
PIC612	SiliconG	SM612	
	Unitrode	PIC7506	
PIC625	SiliconG	SM625	
	Unitrode	PIC7507	
		PIC7525	
PIC626	SiliconG	SM626	
	Unitrode	PIC7508	
		PIC7526	
PIC627	SiliconG	SM627	
	Unitrode	PIC7509	
		PIC7527	
PIC635	SiliconG	SM635	
PIC636	SiliconG	SM636	
PIC637	SiliconG	SM637	
PIC645	SiliconG	SM645	
PIC646	SiliconG	SM646	
	Unitrode	PIC7514	
		PIC7532	
PIC647	SiliconG	SM647	
	Unitrode	PIC7515	
PIC655	SiliconG	SM655	
PIC656	SiliconG	SM656	
	Toshiba	PIC7517	
PIC657	SiliconG	SM657	
	Unitrode	PIC7518	
PIC7501	SiliconG	SM600	
PIC7502	SiliconG	SM601	
PIC7503	SiliconG	SM602	
PIC7504	SiliconG	SM610	
PIC7505	SiliconG	SM611	
	Unitrode	PIC611	
PIC7506	SiliconG	SM612	
	Unitrode	PIC612	
PIC7507	SiliconG	SM625	
	Unitrode	PIC625	
		PIC7525	
PIC7508	SiliconG	SM626	
	Unitrode	PIC626	
		PIC7526	
PIC7509	SiliconG	SM627	
	Unitrode	PIC627	
		PIC7527	
PIC7510	SiliconG	SM635	
PIC7511	SiliconG	SM636	
PIC7512	SiliconG	SM637	
PIC7513	SiliconG	SM645	
PIC7514	SiliconG	SM646	
	Unitrode	PIC646	
		PIC7532	
PIC7515	SiliconG	SM647	
	Unitrode	PIC647	
PIC7516	SiliconG	SM655	
PIC7517	SiliconG	SM656	
	Unitrode	PIC656	
PIC7518	SiliconG	SM657	
	Unitrode	PIC657	
PIC7519	SiliconG	SM600	
	Unitrode	PIC600	
PIC7520	SiliconG	SM601	
PIC7521	SiliconG	SM602	
PIC7522	SiliconG	SM610	
PIC7523	SiliconG	SM611	
PIC7524	SiliconG	SM612	
PIC7525	SiliconG	SM625	
	Unitrode	PIC625	
		PIC7507	
PIC7526	SiliconG	SM626	
	Unitrode	PIC626	
		PIC7508	
PIC7527	SiliconG	SM627	
	Unitrode	PIC627	
		PIC7509	
PIC7528	SiliconG	SM635	
PIC7529	SiliconG	SM636	
PIC7530	SiliconG	SM637	
PIC7531	SiliconG	SM645	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
PIC7532	SiliconG	SM646	
	Unitrode	PIC646	
		PIC7514	
PIC7533	SiliconG	SM647	
PIC7534	SiliconG	SM655	
PIC7535	SiliconG	SM656	
PIC7536	SiliconG	SM657	
SG2846	SiliconG	SG2846	
TL431	TI	TL431	
UCOP01	Harris	CA3140	
UC117	LinearTech	LM117	
		LT117	
	National	LM117	
	SiliconG	SG117	
UC120	SiliconG	SG120	
UC137	LinearTech	LM137	
		LT1033	
		LT137	
	National	LM137	
	SiliconG	SG137	
UC140	SiliconG	SG140	
UC150	LinearTech	LM150	
		LT150	
	National	LM150	
	SiliconG	SG150	
UC1524	Harris	CA1524	
	LinearTech	LT1524	
		SG1524	
	National	LM1524	
	SiliconG	SG1524	
UC1525	LinearTech	LT1525	
		SG1525	
	Motorola	SG1525	
	National	LM1525	
	SiliconG	SG1525	
UC1526	Motorola	SG1526	
	SiliconG	SG1526	
UC1527	LinearTech	LT1527	
		SG1527	
	Motorola	SG1527	
	National	LM1527	
	SiliconG	SG1527	
UC1543	SiliconG	SG1543	
UC1544	SiliconG	SG1544	
UC161	Siliconix	L161	
UC1823	MicroLinear	ML4823	
UC1825	MicroLinear	ML4825	
	SiliconG	SG1825	
UC1840	SGS-Thomson		
		UC1840	
	SiliconG	SG1840	
	Unitrode	UC1841	
UC1841	Unitrode	UC1840	
UC1842	SGS-Thomson		
		UC1842	
	SiliconG	SG1842	
UC1843	SiliconG	SG1843	
	Unitrode	UC1843	
UC1844	SiliconG	SG1844	
UC1845	SiliconG	SG1845	
UC1846	LinearTech	LT1846	
	SiliconG	SG1846	
UC1847	LinearTech	LT1847	
	SiliconG	SG1847	
UC217	SiliconG	SG217	
UC237	SiliconG	SG237	
UC250	SiliconG	SG250	
UC2524	Harris	CA2524	
	National	LM2524	
	SiliconG	SG2524	
UC2525	LinearTech	LT3525	
		SG3525	
	Motorola	SG2525	
	SiliconG	SG2525	
UC2526	Motorola	SG2526	
	SiliconG	SG2526	
UC2527	Motorola	SG2527	
	SiliconG	SG2527	
UC2540	SiliconG	SG2540	
UC2543	SiliconG	SG2543	
UC2544	SiliconG	SG2544	
UC2823	MicroLinear	ML4823	
UC2825	MicroLinear	ML4825	
	SiliconG	SG2825	
UC2840	SGS-Thomson		
		UC2840	
	SiliconG	SG2840	
UC2842	SGS-Thomson		
		UC2842	
	SiliconG	SG2842	
	TI	UC2842	
UC2842DW16			
	Cherry Semi	CS2842ADW16	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
UC2842D14	Cherry Semi	CS2842AD14	
UC2842D8	Cherry Semi	CS2842AD8	
UC2842N	Cherry Semi	CS2842AN	
UC2843	SiliconG	SG2843	
	TI	UC2843	
UC2843N	Cherry Semi	CS2843AN	
UC2844	SiliconG	SG2844	
	TI	UC2844	
UC2844DW16			
	Cherry Semi	CS2844DW16	
UC2844N	Cherry Semi	CS2844N	
UC2845	SiliconG	SG3845	
	TI	UC2845	
UC2845DW16			
	Cherry Semi	CS2845DW16	
UC2845N	Cherry Semi	CS2845N	
UC2846	TI	UC2846	
UC2847	SiliconG	SG2847	
	TI	UC2847	
UC2950	Allegro		
	Micro	UDN2950	
UC317	LinearTech	LM317	
	Motorola	LM317	
	National	LM317	
	SiliconG	SG317	
	TI	LM317	
UC3175	Allegro		
	Micro	A8958	
UC320	SiliconG	SG320	
UC337	LinearTech	LM337	
		LT1033	
		LT337	
	Motorola	LM337	
	National	LM337	
	SiliconG	SG337	
	TI	LM337	
UC340	SemTech	LAS1505	
		LAS1512	
		LAS1515	
	SiliconG	SG340	
	Unitrode	UC7812	
UC350	LinearTech	LM350	
		LT350	
	Motorola	LM350	
	National	LM350	
	SiliconG	SG350	
UC3517	Allegro		
	Micro	UCN5804	
UC3524	Harris	CA3524	
	LinearTech	LT3524	
		SG3524	
	National	LM3524	
	Samsung	KA3524	
	Signetics	SG3524	
	SiliconG	SG3524	
UC3524N	Cherry Semi	CS3524N	
UC3525	Allegro		
	Micro	SG3525	
	LinearTech	LT3525	
		SG3525	
	Motorola	SG3525	
	National	LM3525	
	Samsung	KA3525	
	SiliconG	SG3525	
UC3525AN	Cherry Semi	CS3525AN	
UC3526	Allegro		
	Micro	SG3526	
	Motorola	SG3526	
	Samsung	KA3526	
	SiliconG	SG3526	
UC3527	Allegro		
	Micro	SG3527	
	LinearTech	LT3527	
	Motorola	SG3527	
	National	LM3527	
	SiliconG	SG3527	
UC3527AN	Cherry Semi	CS3527AN	
UC3543	SiliconG	SG3543	
UC3544	SiliconG	SG3544	
UC3610	Cherry Semi	CS299	
UC3620	Allegro		
	Micro	UDN2936	
UC3626	Unitrode	UC3526	
UC3706	Cherry Semi	CS3706	
UC3717	Allegro		
	Micro	UDN2953	
UC3770	Allegro		
	Micro	UDN2954	
UC3770N	Cherry Semi	CS3770N	
UC3823	MicroLinear	ML4823	
UC3825	MicroLinear	ML4825	
	SiliconG	SG3825	
UC384	Fujitsu	MB3769	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Unitrode Integrated Circuits (Cont'd)

Manufacturer Device	Replacement Source	Device	IC Master Page
UC3840	SGS-Thomson	UC3840	
UC3842	Astec Semi	AS3842	
	LinearTech	LT1242	
	Samsung	KA3842	
	SGS-Thomson	UC3842	
	Signetics	UC3842	
	SiliconG	SG3842	
	TI	UC3842	
UC3842AN	Cherry Semi	CS3842AN	
UC3843	Astec Semi	AS3843	
	LinearTech	LT1243	
	SiliconG	SG3843	
	TI	UC3843	
UC3844	Astec Semi	AS3844	
	LinearTech	LT1244	
	SiliconG	SG3844	
	TI	UC3844	
UC3845	Astec Semi	AS3845	
	LinearTech	LT1245	
	SiliconG	SG3845	
	TI	UC3845	
UC3846	LinearTech	LT3846	
	Samsung	KA3846	
	SiliconG	SG3846	
	TI	UC3846	
UC3847	LinearTech	LT3847	
	SiliconG	SG3847	
	TI	UC3847	
UC3903	Allegro Micro	ULN8130	
UC494	Allegro Micro	TL594	
	Motorola	TL494	
		TL594	
	National	LM494	
	Samsung	KA7500	
	TI	TL494	
UC494A	Fujitsu	MB3759	
UC495	Allegro Micro	TL595	
	TI	TL495	
		TL594	
		TL595	
UC5170	Signetics	NE5170	
UC5180	Signetics	NE5180	
UC7805	SemTech	LAS1505	
	SiliconG	SG7805	
	TI	μA7805	
UC7812	SemTech	LAS1512	
	SiliconG	SG7812	
	TI	μA7812	
UC7815	SemTech	LAS1515	
	SiliconG	SG7815	
	TI	μA7815	
UC7905	SiliconG	SG7905	
	TI	μA7905	
UC7912	SiliconG	SG7912	
	TI	μA7912	
UC7915	SiliconG	SG7915	
	TI	μA7915	

Universal Semiconductor

Manufacturer Device	Replacement Source	Device	IC Master Page
US74HCT640	Harris	CD74HCT640	
	Mitsubishi	M74HCT640-1	
	Motorola	MC74HCT640A	
	National	MM74HCT640	
	SGS-Thomson	M74HCT640	
	Signetics	74HCT640	
	TI	SN74HCT640	
	Toshiba	TC74HCT640A	
US74HC153	Harris	CD74HC153	
	Hitachi	HD74HC153	
	Motorola	MC74HC153	
	National	MM74HC153	
	NJR	NJU74HC153	
	SGS-Thomson	M74HC153	
	Sharp	LR74HC153	
	Signetics	74HC153	
	TI	SN74HC153	
	Toshiba	TC74HC153A	
US74HC154	Harris	CD74HC154	
	Hitachi	HD74HC154	
	Motorola	MC74HC154	
	National	MM74HC154	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
US74HC154			(Cont'd)
	SGS-Thomson	M74HC154	
	Signetics	74HC154	
	TI	SN74HC154	
	Toshiba	TC74HC154A	
US74HC157	Harris	CD74HC157	
	Hitachi	HD74HC157	
	Motorola	MC74HC157A	
	National	MM74HC157	
	SGS-Thomson	M74HC157	
	Sharp	LR74HC157	
	Signetics	74HC157	
	TI	SN74HC157	
	Toshiba	TC74HC157A	
US74HC158	Harris	CD74HC158	
	Hitachi	HD74HC158	
	National	MM74HC158	
	SGS-Thomson	M74HC158	
	Sharp	LR74HC158	
	Signetics	74HC158	
	TI	SN74HC158	
	Toshiba	TC74HC158A	
US74HC160	Harris	CD74HC160	
	Hitachi	HD74HC160	
	Mitsubishi	M74HC160	
	Motorola ♦	MC74HC160	
	National	MM74HC160	
	NJR	NJU74HC160	
	SGS-Thomson	M74HC160	
	Sharp	LR74HC160	
	Signetics	74HC160	
	TI	SN74HC160	
	Toshiba	TC74HC160A	
US74HC161	Harris	CD74HC161	
	Hitachi	HD74HC161	
	National	MM74HC161	
	NJR	NJU74HC161	
	SGS-Thomson	M74HC161	
	Sharp	LR74HC161	
	Signetics	74HC161	
	TI	SN74HC161	
	Toshiba	TC74HC161A	
US74HC162	Harris	CD74HC162	
	Hitachi	HD74HC162	
	Mitsubishi	M74HC162	
	Motorola	MC74HC162	
	National	MM74HC162	
	NJR	NJU74HC162	
	SGS-Thomson	M74HC162	
	Sharp	LR74HC162	
	Signetics	74HC162	
	TI	SN74HC162	
	Toshiba	TC74HC162A	
US74HC163	Harris	CD74HC163	
	Hitachi	HD74HC163	
	National	MM74HC163	
	NJR	NJU74HC163	
	Panasonic	MN74HC163	
	SGS-Thomson	M74HC163	
	Sharp	LR74HC163	
	Signetics	74HC163	
	TI	SN74HC163	
	Toshiba	TC74HC163A	
US74HC164	Harris	CD74HC164	
	Hitachi	HD74HC164	
	Motorola	MC74HC164	
	National	MM74HC164	
	NJR	NJU74HC164	
	SGS-Thomson	M74HC164	
	Sharp	LR74HC164	
	Signetics	74HC164	
	TI	SN74HC164	
	Toshiba	TC74HC164A	
US74HC165	Harris	CD74HC165	
	Hitachi	HD74HC165	
	Motorola	MC74HC165	
	National	MM74HC165	
	NJR	NJU74HC165	
	SGS-Thomson	M74HC165	
	Sharp	LR74HC165	
	Signetics	74HC165	
	TI	SN74HC165	
	Toshiba	TC74HC165A	
US74HC173	Harris	CD74HC173	
	Hitachi	HD74HC173	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
US74HC173			(Cont'd)
	Motorola	MC74HC173	
	National	MM74HC173	
	SGS-Thomson	M74HC173	
	Sharp	LR74HC173	
	Signetics	74HC173	
	TI	SN74HC173	
	Toshiba	TC74HC173A	
US74HC174	Harris	CD74HC174	
	Hitachi	HD74HC174	
	Motorola	MC74HC174A	
	National	MM74HC174	
	NJR	NJU74HC174	
	SGS-Thomson	M74HC174	
	Sharp	LR74HC174	
	Signetics	74HC174	
	TI	SN74HC174	
	Toshiba	TC74HC174A	
US74HC175	Harris	CD74HC175	
	Hitachi	HD74HC175	
	Motorola	MC74HC175	
	National	MM74HC175	
	NJR	NJU74HC175	
	SGS-Thomson	M74HC175	
	Sharp	LR74HC175	
	Signetics	74HC175	
	TI	SN74HC175	
	Toshiba	TC74HC175A	
US74HC190	Harris	CD74HC190	
	Hitachi	HD74HC190	
	Mitsubishi	74HC190	
	National	MM74HC190	
	SGS-Thomson	M74HC190	
	Signetics	74HC190	
	TI	SN74HC190	
	Toshiba	TC74HC190A	
US74HC191	GoldStar	GD74HC191	
	Harris	CD74HC191	
	Hitachi	HD74HC191	
	Mitsubishi	M74HC191	
	National	MM74HC191	
	SGS-Thomson	M74HC191	
	Signetics	74HC191	
	TI	SN74HC191	
	Toshiba	TC74HC191A	
US74HC192	Harris	CD74HC192	
	Hitachi	HD74HC192	
	Mitsubishi	M74HC192	
	National	MM74HC192	
	NJR	NJU74HC192	
	SGS-Thomson	M74HC192	
	Signetics	74HC192	
	TI	SN74HC192	
	Toshiba	TC74HC192A	
US74HC193	Harris	CD74HC193	
	Hitachi	HD74HC193	
	Mitsubishi	M74HC193	
	National	MM74HC193	
	SGS-Thomson	M74HC193	
	Signetics	74HC193	
	TI	SN74HC193	
	Toshiba	TC74HC193A	
US74HC194	Harris	CD74HC194	
	Hitachi	HD74HC194	
	Mitsubishi	M74HC194	
	Motorola	MC74HC194	
	National	MM74HC194	
	NJR	NJU74HC194	
	SGS-Thomson	M74HC194	
	Sharp	LR74HC194	
	Signetics	74HC194	
	TI	SN74HC194	
	Toshiba	TC74HC194A	
US74HC195	Harris	CD74HC195	
	Hitachi	HD74HC195	
	Mitsubishi	M74HC195	
	Motorola	MC74HC195	
	National	MM74HC195	
	NJR	NJU74HC195	
	SGS-Thomson	M74HC195	
	Sharp	LR74HC195	
	Signetics	74HC195	
	TI	SN74HC195	
	Toshiba	TC74HC195A	

Manufacturer Device	Replacement Source	Device	IC Master Page
US74HC20	Harris	CD74HC20	
	Hitachi	HD74HC20	
	Mitsubishi	M74HC20	
	Motorola	MC74HC20	
	National	MM74HC20	
	NJR	NJU74HC20	
	SGS-Thomson	M74HC20	
	Sharp	LR74HC20	
	Signetics	74HC20	
	TI	SN74HC20	
	Toshiba	TC74HC20A	
US74HC21	Harris	CD74HC21	
	Hitachi	HD74HC21	
	NJR	NJU74HC21	
	SGS-Thomson	M74HC21	
	Signetics	74HC21	
	TI	SN74HC21	
	Toshiba	TC74HC21A	
US74HC221	Harris	CD74HC221	
	Hitachi	HD74HC221	
	National	MM74HC221A	
	SGS-Thomson	M74HC221	
		M74HC221A	
	Signetics	74HC221	
	Toshiba	TC74HC221	

Vitelic

Manufacturer Device	Replacement Source	Device	IC Master Page
VL2079	Micro-C	S4KX4	
V51C104	GoldStar	GM71C4256	
V52C256	Krueger	62256-070	
		62256-085	
		62256-100	
		62256-120	
V5264	Krueger	4164-100	
		4164-120	**(3548)**
		4164-150	**(3548)**
V53C100	Toshiba	TC511000	
		TC511000B	
V53C102	Toshiba	TC511002	
V53C104	Toshiba	TC514256	
		TC514256B	
V53C105	Toshiba	TC514266	
		TC514266B	
V53C106	Toshiba	TC514258	
		TC514258B	
V53C256	GoldStar	GM71C256	
		GM71256	
	Krueger	41256-080	
		41256-100	**(3548)**
		41256-120	**(3548)**
		41256-150	**(3548)**
	Micro-C	41256	
V53C261	GoldStar	GM53C261	
	Krueger	4461-100	
		4461-120	
		4461-150	
V53C400	Toshiba	TC514100	
V53C404	Toshiba	TC514400	
V53C461	GoldStar	GM53C461	
V53C464	GoldStar	GM71C464	
	Krueger	41464-100	
		41464-120	
		41464-150	
V6C328	Toshiba	TC55188	
V6C330	Toshiba	TC55187	
V61C16	GoldStar	GM76C28	
	IDT	IDT6116	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
	UMC	UM6116	
V61C62	Toshiba	TC55416	
V61C64	Krueger	6264-025	
		6264-035	
		6264-045	
		6264-100	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
V61C67	IDT	IDT6167	
	Krueger	2167-35	
		2167-45	
		2167-55	
		2167-70	
	SGS-Thomson	IMS1403	
V61C68	IDT	IDT6168	
	Krueger	2168-20	
		2168-25	
		2168-35	

(Continued)

♦ Discontinued

Bold face device numbers indicate manufacturers data is provided in the IC Master on the Pages noted.

Manufacturer Device	Replacement Source	Device	IC Master Page
Vitelic			**(Cont'd)**
V61C68	Krueger		(Cont'd)
		2168-45	
		2168-55	
	SGS-Thomson		
		IMS1423	
	UMC	UM6168	
V62C16	SGS-Thomson		
		MK6116	
V62C256	GoldStar	GM76C256	
	SGS-Thomson		
		MK4832	
	Toshiba	TC55257	
V62C64	GoldStar	GM76C88	
	Krueger	**6264-100**	**(3548)**
		6264-120	**(3548)**
		6264-150	**(3548)**
	SGS-Thomson		
		MK48H64	
	Toshiba	TC5565	
V62C64-L	Krueger	6264L-120	
		6264LP-100	
		6264LP-120	
		6264LP-150	
V62C64P-70L	Krueger	6264LP-070	
V62C68	SGS-Thomson		
		MK41H68	
V63C308	UMC	UM61165	
V63C328	**MicronTech**	**MT56C0816**	**(3581)**
	Samsung	KM78C80	
	Sony	CXK7701	
	UMC	UM61168	
V63C64	IDT	IDT7164	
	Toshiba	TC5588	
	UMC	UM6164	
V63C70	Toshiba	TC55465	
V63C71	Toshiba	TC55464	
V73C86	Micro-C	73C86	
VLSI Technology			
VL16C450	Micro-C	16C450	
	Siemens	SAB16C450	
VL16C451	Micro-C	16C451	
	Siemens	SAB82C251	
VL16C452	Micro-C	16C452	
	Samsung	KS82C452	
	Siemens	SAB82C250	
VL16160	Micro-C	16160	
VL1772	Micro-C	1772	
VL2793	Siemens	SAB2793	
VL2797	Siemens	SAB2797	
VL4500	Micro-C	4500	
VL4502	Micro-C	4502	
VL6765	Krueger	765	
VL82C100	Micro-C	82C100	
VL82C101	Micro-C	82C101	
VL82C102	Micro-C	82C102	
VL82C103	Micro-C	82C103	
VL82C104	Micro-C	82C104	
VL82C201	Micro-C	82C201	
VL82C202	Micro-C	82C202	
VL82C203	Micro-C	82C203	
VL82C304	Micro-C	82C304	
VL82C37	Harris	82C37	
	Micro-C	82C37	
VL82C50	Harris	82C50	
	Micro-C	82C50	
VL82C54	Harris	82C54	
VL82C59	Harris	82C59	
VL82C84	Harris	82C84	
VL82C88	Harris	82C88	
VL82103	Micro-C	82103	
VL8530	Micro-C	8530	
VM27C256	SEEQ	27C256	
VT16451	UMC	UM82C451	
VT16452	UMC	UM82C452	
VT20C18	Cypress	CY7C128	
	Krueger	**6116-120**	**(3548)**
		6116-150	**(3548)**
		6116-200	**(3548)**
VT20C19	Cypress	CY7C128	
	UMC	UM6116	
VT20C50	Cypress	CY7C150	
	SGS-Thomson		
		IMS1423	
		MK41H68	
	UMC	UM2148	
VT20C68	Cypress	CY7C168	
	MicronTech	MT5C1604	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
VT20C68			(Cont'd)
	SGS-Thomson		
		IMS1423	
		MK41H68	
VT20C69	Cypress	CY7C169	
	MicronTech	MT5C1604	
	SGS-Thomson		
		IMS1423	
		MK41H68	
	UMC	UM6168	
VT20C71	Cypress	CY7C171	
	MicronTech	MT5C1606	
VT20C72	Cypress	CY7C172	
	MicronTech	MT5C1607	
VT20C78	Cypress	CY7C170	
	MicronTech	MT5C1605	
VT20C79	Cypress	CY7C170	
	MicronTech	MT5C1605	
VT20C8	MicronTech	MT5C6408	
VT20C9	MicronTech	MT5C6408	
VT20C98	Cypress	CY7C185	
	UMC	UM6164	
VT20C99	Cypress	CY7C185	
	Toshiba	TC5588	
VT2010	Cypress	CY7C510	
VT2130	Cypress	CY7C130	
VT27C256	Krueger	27C256-150	
		27C256-200	
		27C256-250	
VT27C512	Krueger	27C512-150	
		27C512-200	
		27C512-250	
VT27C64	Krueger	27C64-200	
		27C64-250	
		27C64-300	
VT62A168	Toshiba	TC55188	
	UMC	UM61168	
	Vitelic	V63C328	
VT62A188	Toshiba	TC55187	
VT62K54	SGS-Thomson		
		IMS1620	
VT6208	MicronTech	MT5C2564	
	Toshiba	TC55464	
VT624256	Inova	S256K4	
	MicronTech	MT5C1005	
VT62832	MicronTech	MT5C2568	
	Toshiba	TC55328	
VT6285	Cypress	CY7C161	
VT6286	Cypress	CY7C162	
VT6287	Cypress	CY7C187	
VT6288	Cypress	CY7C164	
	MicronTech	MT5C6404	
VT6289	Cypress	CY7C166	
	MicronTech	MT5C6405	
VT64KS4	Cypress	CY7C164	
	Performance	P4C188	
	Toshiba	TC55416	
VT65KS4	Cypress	CY7C166	
	Performance	P4C198	
	Toshiba	TC55417	
VT7C122	Cypress	CY7C122	
VT7132	Cypress	CY7C132	
VT7142	Cypress	CY7C142	
20C18	Performance	P4C116	
20C68	Krueger	2168-20	
		2168-25	
		2168-35	
		2168-45	
		2168-55	
	Performance	P4C168	
20C69	Performance	P4C169	
20C79	Performance	P4C170	
20C98	Performance	P4C164	
5468	Micro-C	5468	
7C122	Performance	P4C422	
VTC			
VA003	Elantec	EL2001	
		EL2002	
		EL2033	
VA0033	Elantec	EL2002	
VA033	Burr-Brown	OPA633	
	Elantec	EL2001	
		EL2033	
VA2706	Elantec	EL2224	
VA2707	Elantec	EL2223	
VA2708	Elantec	EL2223	
VA4707	Elantec	EL2423	
VA4708	Elantec	EL2423	
VA705	Elantec	EL2041	
VA706	Elantec	EL2041	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
VA707	Elantec	EL2020	
		EL2030	
VA708	Elantec	EL2020	
VJ54FCT240	IDT	IDT54FCT240	
VJ54FCT244	IDT	IDT54FCT244	
VJ54FCT245	IDT	IDT54FCT245	
VJ54FCT373	IDT	IDT54FCT373	
		IDT54FCT374	
VJ54FCT533	IDT	IDT54FCT533	
VJ54FCT534	IDT	IDT54FCT534	
VJ54FCT573	IDT	IDT54FCT573	
VJ54FCT574	IDT	IDT54FCT574	
VJ54FCT640	IDT	IDT54FCT640	
VJ54FCT645	IDT	IDT54FCT645	
VJ54FCT821	IDT	IDT54FCT821	
VJ54FCT823	IDT	IDT54FCT823	
VJ54FCT824	IDT	IDT54FCT824	
VJ54FCT825	IDT	IDT54FCT825	
VJ54FCT827	IDT	IDT54FCT827	
VJ54FCT843	IDT	IDT54FCT843	
VJ54FCT844	IDT	IDT54FCT844	
VJ54FCT845	IDT	IDT54FCT845	
VJ54FCT861	IDT	IDT54FCT861	
VJ54FCT863	IDT	IDT54FCT863	
VJ54FCT864	IDT	IDT54FCT864	
VM101	Cherry Semi	CS101A	
VM116	Cherry Semi	CS116	
VM117	Cherry Semi	CS117	
	MicroLinear	ML117	
VM201	Cherry Semi	CS201	
VM217	MicroLinear	ML501	
	Unitrode	UC217	
VT20C79	Micro-C	S4KX4	
V54ACT240	Harris	CD54ACT240	
	National	54ACT240	
V54ACT241	Harris	CD54ACT241	
	National	54ACT241	
V54ACT244	Harris	CD54ACT244	
	National	54ACT244	
V54ACT245	Harris	CD54ACT245	
	National	54ACT245	
V54ACT373	Harris	CD54ACT373	
	National	54ACT373	
V54ACT374	Harris	CD54ACT374	
	National	54ACT374	
V54ACT533	Harris	CD54ACT533	
V54ACT534	Harris	CD54ACT534	
	National	54ACT534	
V54ACT540	Harris	CD54ACT540	
	National	54ACT540	
V54ACT541	Harris	CD54ACT541	
	National	54ACT541	
V54ACT563	Harris	CD54ACT563	
	National	54ACT563	
V54ACT564	Harris	CD54ACT564	
	National	54ACT564	
V54ACT573	Harris	CD54ACT573	
	National	54ACT573	
V54ACT574	Harris	CD54ACT574	
		CD54ACT574A	
	National	54ACT574	
V54ACT623	Harris	CD54ACT623	
V54ACT821	National	54ACT821	
V54ACT823	National	54ACT823	
V54ACT825	National	54ACT825	
V54ACT827	National	54ACT827	
V54ACT841	National	54ACT841	
V54ACT843	National	54ACT843	
V54ACT845	National	54ACT845	
V54FCT240	IDT	IDT74FCT240	
V54FCT245	IDT	IDT74FCT245	
V54FCT373	IDT	IDT74FCT373	
V54FCT374	IDT	IDT74FCT374	
V54FCT533	IDT	IDT74FCT533	
V54FCT534	IDT	IDT74FCT534	
V54FCT573	IDT	IDT74FCT573	
V54FCT574	IDT	IDT74FCT574	
V54FCT640	IDT	IDT74FCT640	
V54FCT645	IDT	IDT74FCT645	
V54FCT821	IDT	IDT74FCT821	
V54FCT823	IDT	IDT74FCT823	
V54FCT824	IDT	IDT74FCT824	
V54FCT825	IDT	IDT74FCT825	
V54FCT827	IDT	IDT74FCT827	
V54FCT841	IDT	IDT74FCT841	
V54FCT843	IDT	IDT74FCT843	
V54FCT844	IDT	IDT74FCT844	
V54FCT845	IDT	IDT74FCT845	
V54FCT8461	IDT	IDT74FCT861	
V54FCT8615	IDT	IDT74FCT861	
V54FCT863	IDT	IDT74FCT863	
V54FCT864	IDT	IDT74FCT864	

(Continued)

Manufacturer Device	Replacement Source	Device	IC Master Page
V74ACT240	Harris	CD74ACT240	
	Motorola	MC74ACT240	
	National	74ACT240	
	Toshiba	TC74ACT240	
V74ACT241	Harris	CD74ACT241	
	Motorola	MC74ACT241	
	National	74ACT241	
	Toshiba	TC74ACT241	
V74ACT244	Harris	CD74ACT244	
	Motorola	MC74ACT244	
	National	74ACT244	
	Toshiba	TC74ACT244	
V74ACT245	Harris	CD74ACT245	
	Motorola	MC74ACT245	
	National	74ACT245	
	Toshiba	TC74ACT245	
V74ACT373	Harris	CD74ACT373	
	Motorola	MC74ACT373	
	National	74ACT373	
	Toshiba	TC74ACT373	
V74ACT374	Harris	CD74ACT374	
	Motorola	MC74ACT374	
	National	74ACT374	
	Toshiba	TC74ACT374	
V74ACT533	Harris	CD74ACT533	
	Motorola	MC74ACT533	
	Toshiba	TC74ACT533	
V74ACT534	Harris	CD74ACT534	
	Motorola	MC74ACT534	
	National	74ACT534	
	Toshiba	TC74ACT534	
V74ACT540	Harris	CD74ACT540	
	Motorola	MC74ACT540	
	National	74ACT540	
	Toshiba	TC74ACT540	
V74ACT541	Harris	CD74ACT541	
	Motorola	MC74ACT541	
	National	74ACT541	
	Toshiba	TC74ACT541	
V74ACT563	Harris	CD74ACT563	
	Motorola	MC74ACT563	
	National	74ACT563	
	Toshiba	TC74ACT563	
V74ACT564	Harris	CD74ACT564	
	Motorola	MC74ACT564	
	National	74ACT564	
	Toshiba	TC74ACT564	
V74ACT573	Harris	CD74ACT573	
	Motorola	MC74ACT573	
	National	74ACT573	
	Toshiba	TC74ACT573	
V74ACT574	Harris	CD74ACT574	
	Motorola	MC74ACT574	
	National	74ACT574	
	Toshiba	TC74ACT574	
V74ACT620	Motorola	MC74ACT620	
V74ACT623	Harris	CD74ACT623	
	Motorola	MC74ACT623	
V74ACT640	Motorola	MC74ACT640	
	Toshiba	TC74ACT640	
V74ACT643	Motorola	MC74ACT643	
V74ACT821	National	74ACT821	
	Toshiba	TC74ACT821	
V74ACT823	National	74ACT823	
	Toshiba	TC74ACT823	
V74ACT825	Motorola	MC74ACT825	
	National	74ACT825	
	Toshiba	TC74ACT825	
V74ACT827	National	74ACT827	
V74ACT841	National	74ACT841	
	Toshiba	TC74ACT841	
V74ACT843	Motorola	MC74ACT843	
	National	74ACT843	
	Toshiba	TC74ACT843	
V74ACT845	Motorola	MC74ACT845	
	National	74ACT845	
V74FCT240	IDT	IDT74FCT240	
V74FCT244	IDT	IDT74FCT244	
V74FCT245	IDT	IDT74FCT245	
V74FCT373	IDT	IDT74FCT373	
V74FCT374	IDT	IDT74FCT374	
V74FCT533	IDT	IDT74FCT533	
V74FCT534	IDT	IDT74FCT534	
V74FCT573	IDT	IDT74FCT573	
V74FCT574	IDT	IDT74FCT574	
V74FCT640	IDT	IDT74FCT640	
V74FCT645	IDT	IDT74FCT645	
V74FCT821	IDT	IDT74FCT821	
V74FCT823	IDT	IDT74FCT823	
V74FCT824	IDT	IDT74FCT824	
V74FCT825	IDT	IDT74FCT825	
V74FCT827	IDT	IDT74FCT827	
V74FCT841	IDT	IDT74FCT841	

(Continued)

♦ Discontinued

The manufacturers report their devices can be used as direct replacements.
Performance details often differ, so compare the specifications considering your requirements.

Manufacturer Device	Replacement Source	Device	IC Master Page
VTC (Cont'd)			
V74FCT843	IDT	IDT74FCT843	
V74FCT844	IDT	IDT74FCT844	
V74FCT845	IDT	IDT74FCT845	
V74FCT861	IDT	IDT74FCT861	
V74FCT863	IDT	IDT74FCT863	
V74FCT864	IDT	IDT74FCT864	
Waferscale Integration			
WSI57C49	Micro-C	27C64	
WS27C010	AMD	AM27C010	
	NEC	μPD27C1001	
WS27C128	AMD	AM27C128	
WS27C128-12DMB			
	TI	SMJ27C128-12JM	
WS27C128-15DMB			
	TI	SMJ27C128-15JM	
WS27C210	NEC	μPD27C1024	
WS27C256	AMD	AM27C256	
	Krueger	27C256-150	
		27C256-200	
		27C256-250	
	SEEQ	27C256	
WS27C256-15DMB			
	TI	SMJ27C256-15JM	
WS27C512	AMD	AM27C512	
WS27C64	AMD	AM27C64	
	Krueger	27C64-200	
		27C64-250	
		27C64-300	
WS29C01	Cypress	CY7C901	
WS57C128	Cypress	CY7C251	
WS57C191	AMD	AM27S191	
	Cypress	CY7C292	
	Fujitsu	MB71A38	
		MB7138	
WS57C256	Catalyst		
	Semi	CAT27HC256	
	Cypress	CY7C274	
	OKI	MSM27C256	
WS57C291	AMD	AM27S291	
	Cypress	CY7C291	
	Fujitsu	MB71A38	
		MB7138	
WS57C43	AMD	AM27S43	
	Fujitsu	MB7142	
	ICT	27CX321	
WS57C43B-35D			
	ICT	27CX321C-35	
WS57C43B-35T			
	ICT	27CX321C-35	
WS57C43B-45D			
	ICT	27CX321C-45	
WS57C43B-45T			
	ICT	27CX321C-45	
WS57C45	Cypress	CY7C245	
	Fujitsu	MB7238	
WS57C49	AMD	AM27C49	
		AM27S49	
	Cypress	CY7C261	
		CY7C263	
		CY7C264	
	Fujitsu	MB71C44	
		MB7144	
	ICT	27CX641	
	Microchip	27HC641	
	NEC	μPD27HC65	
WS57C49B-40D			
	ICT	27CX641C-40	
WS57C49B-40T			
	ICT	27CX641C-40	
WS57C49B-45D			
	ICT	27CX641C-45	
WS57C49B-45T			
	ICT	27CX641C-45	
WS57C49B-55D			
	ICT	27CX641C-55	
WS57C49B-55T			
	ICT	27CX641C-55	
WS57C51	Cypress	CY7C251	
		CY7C254	
		CY7C255	
	Fujitsu	MB71C46	
WS57C64	Microchip	27HC64	
WS5901	Cypress	CY2901	
WS59016	Cypress	CY7C9101	
WS5910	Cypress	CY7C910	
WS59510	Cypress	CY7C510	
WS59516	Cypress	CY7C516	
WS59517	Cypress	CY7C516	
WS59520	LogicDev	L29C520	
WS59521	LogicDev	L29C521	
27C010	Micro-C	27C1032	
27C256	Micro-C	27C256	
57C128	Micro-C	27C128	
57C45	Micro-C	57C45	
Weitek			
WTL1010	Cypress	CY7C510	
	LogicDev	LMA1010	
	Waferscale	**WS59510**	**(3753)**
WTL1016	LogicDev	LMU16	
		LMU216	
WTL1516	AMD	AM29C516A	
	Cypress	CY7C516	
	LogicDev	LMU16	
		LMU216	
WTL2010	Cypress	CY7C510	
	LogicDev	LMA1010	
	Waferscale	**WS59510**	**(3753)**
WTL2245	**Waferscale**	**WS59510**	**(3753)**
WTL2516	AMD	AM29C516A	
	Cypress	CY7C516	
WTL2517	Cypress	CY7C517	
	LogicDev	LMU16	
		LMU216	
WTL7216	AMD	AM29C516A	
8701	Fujitsu	MB86903	
Western Digital			
FD1791	Siemens	SAB1791	
	SMC	FDC9791	
FD1793	Allegro Micro	FDC9793	
	Siemens	SAB1793	
	SMC	FDC1793	
FD1795	Siemens	SAB1795	
	SMC	FDC1795	
		FDC9795	
FD1797	Micro-C	1797	
	Siemens	SAB1797	
	SMC	FDC1797	
		FDC9797	
FD9216	SMC	FDC92C36	
		FDC9216	
FE3010	Micro-C	3010	
SD1933	SMC	COM5025	
TR1602	SMC	COM8017	
TR1863	SMC	COM1863	
TR1983	SMC	COM8251	
		COM8502	
UC1671	SMC	COM1671	
WD10C14	Micro-C	10C14	
WD10C20	Micro-C	10C20	
WD10C21	Micro-C	10C21	
WD10C22	Micro-C	10C22	
WD1010	Micro-C	1010	
WD1014	Micro-C	1014	
WD1016	Micro-C	1016	
WD1017	Micro-C	1017	
WD11C00	Micro-C	11C00	
WD1100	Micro-C	1100	
	SMC	HDC1100	
WD16C450	Siemens	SAB16C450	
WD16C452	Micro-C	16C452	
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WD20C03A	**Newbridge**	**CA20C03A**	**(3593)**
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Xicor			
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XR68C681	Micro-C	68C681	
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	Microchip	28C04	
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	UMC	UM8272	
Z8	Hitachi	HD6301	
		HD647180	
Z80	Micro-C	Z80	
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Z80CTC	Krueger	Z80CTC	
Z80C3008	Micro-C	Z80	
Z80DART	Krueger	Z80DART	
Z80DMA	Krueger	Z80DMA	
Z80PIO	Krueger	Z80PIO	
	Micro-C	Z80PIO	
Z80SIO/0	Krueger	Z80SIO/0	
Z80SIO/1	Krueger	Z80SIO/1	
Z80SIO/2	Krueger	Z80SIO/2	
Z80SIO/9	Krueger	Z80SIO/9	
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		8001	
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Z8038	Micro-C	8038	
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Z84C2004	Micro-C	Z80PIO	
Z8400	**Krueger**	**Z80CPU**	**(3548)**
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		80CPU	
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Z8410	Krueger	Z80DMA	
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Z8420	Krueger	Z80PIO	
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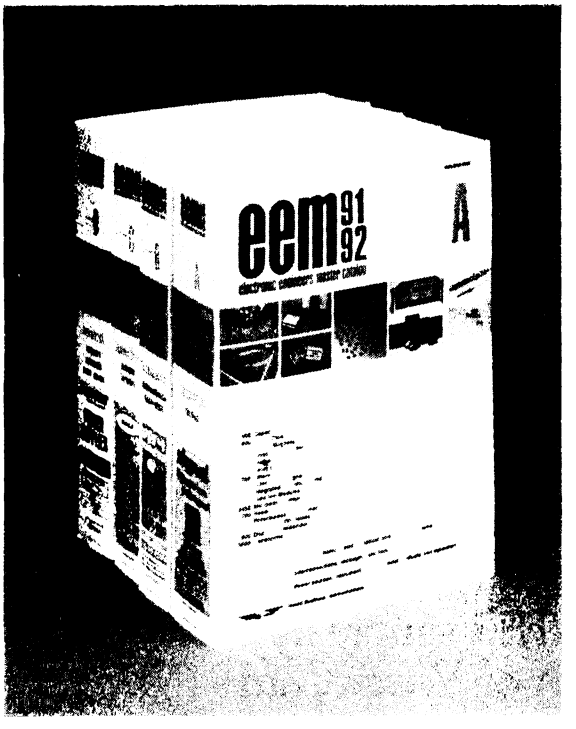

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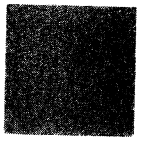

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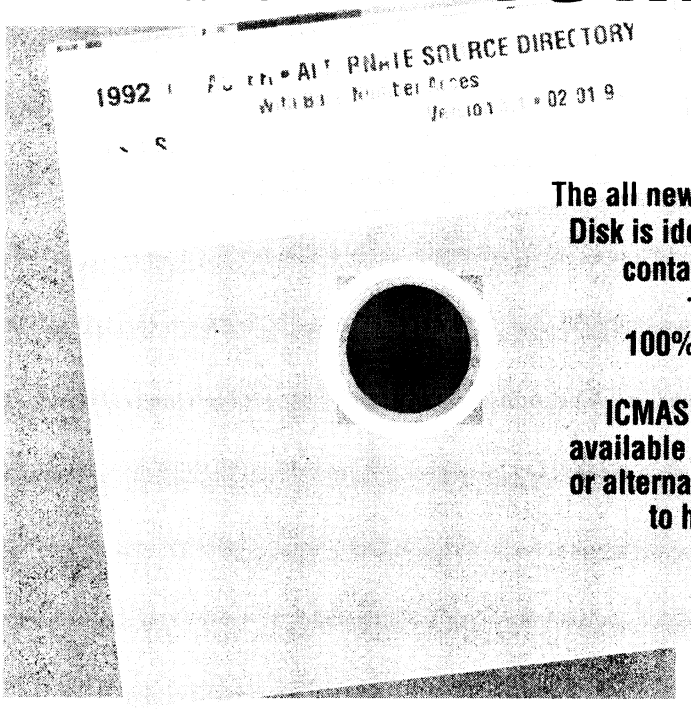

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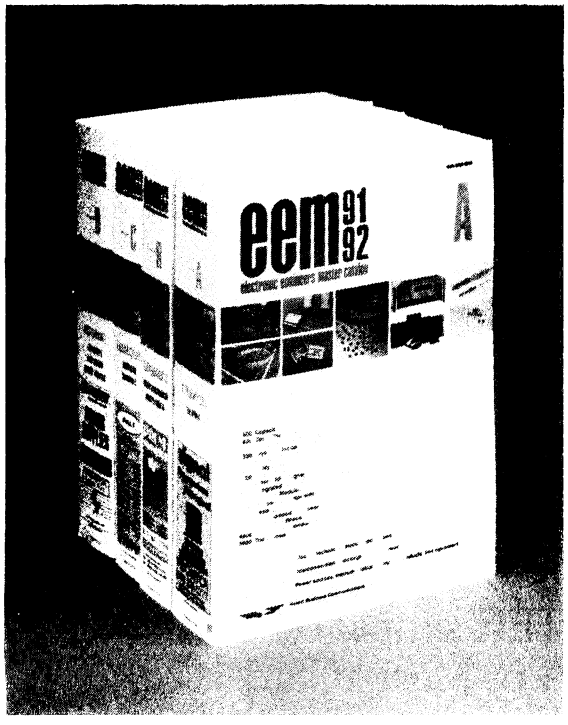

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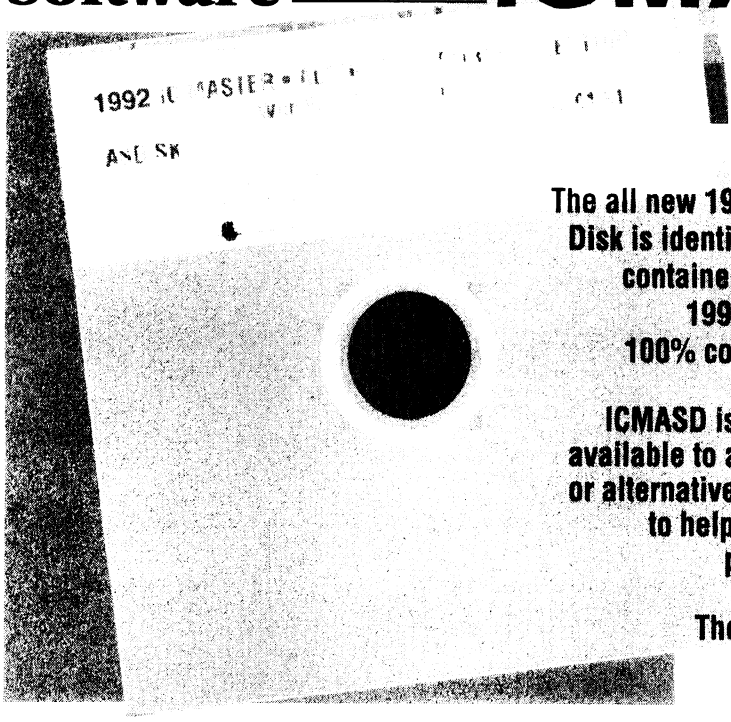

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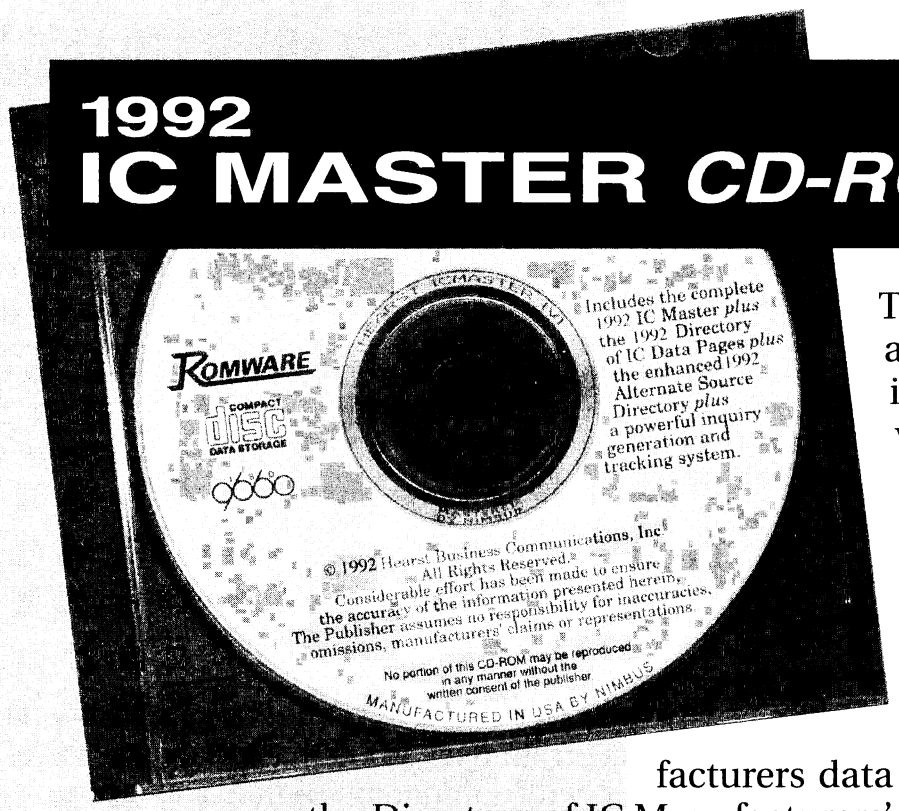

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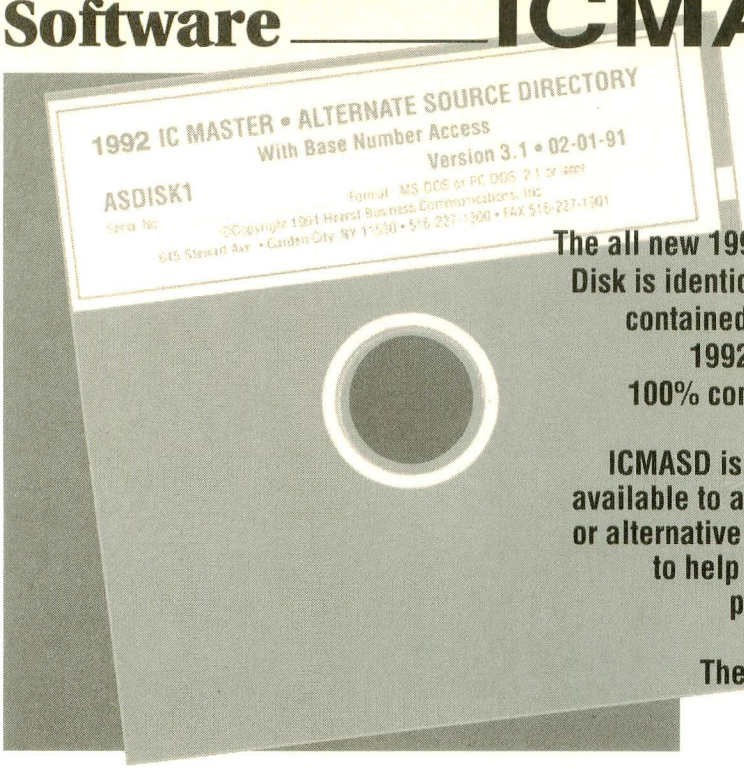

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